



FALL COMMENCEMENT

FRIDAY, DECEMBER 15, 2017
SATURDAY, DECEMBER 16, 2017

IOWA STATE UNIVERSITY

Dear Iowa State University Graduates and Guests:

Congratulations to all of the Fall 2017 graduates of Iowa State University!



Welcome to Iowa State University's Fall 2017 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 159th 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 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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THE OFFICIAL UNIVERSITY MACE

The Iowa State University 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 commencement ceremony.

In medieval times, the mace was a studded, clublike weapon, made of iron. It was capable of breaking armor, and was associated with the protection of kings in France and England.

In the 13th century, it was used for civil purposes and processions. Eventually it became a symbol for academic institutions, an emblem of order and authority in the pageantry.

Created in bronze, silver, and tiger maple, the Iowa State University mace incorporates important campus icons such as the campanile, located on central campus, and the Fountain of Four Seasons, located on the north side of the Memorial Union and features likenesses of four Native American women. The sculptures were created in 1941 by Christian Petersen, sculptor-in-residence from 1934-1955.

The mace's bronze headpiece is an interpretation of the campanile. It includes a silver presidential seal and reflects in a disc representative of the Fountain of the Four Seasons. The words "Iowa State University – Science With Practice" are inscribed on

the edge of the disc. Under the disc is a shortened version or reflection of the campanile headpiece.

The tiger maple staff bears 14 bronze plaques inscribed with the names of all previous Iowa State presidents, their years of service, and a laurel leaf symbolizing the attainment of graduation.

At the staff's base is an unfolding bronze leaf symbolizing the beginning of a new era for graduating students. The overall height of the University mace is 60 inches, and it weighs 14 pounds.

Sculptor Jeanne L. Stevens-Sollman of Bellefonte, Pennsylvania, designed and crafted the Iowa State University mace.

Private funds from the ISU Alumni Association's Circle of Former Presidents, Chairs, and Executive Directors, the Stanton Carillon Foundation, and the University Museums made the design and purchase of the Iowa State University mace possible.



THE PRESIDENTIAL CHAIN OF OFFICE

The presidential chain of office symbolizes the rich history and traditions of Iowa State University and is worn by the president at all commencement ceremonies.

It was first worn by President Gregory Geoffroy during the Spring 2008 commencement ceremonies to mark the end of Iowa State University's year-long sesquicentennial celebration.

Created by sculptor Jeanne L. Stevens-Sollman – the same artist who created Iowa State's mace – the presidential chain of office complements the mace. The two pieces were commissioned by University Museums and the ISU Alumni Association and are part of University Museums' Art on Campus collection.



The front of the presidential chain of office features an image of the campanile, and Beardshear Hall's east portico (the campus home of the president) is on the back. The shoulder epaulets are the columns of Beardshear and contain the words Leadership and Service. The campanile links in the presidential chain of office contain the words Engagement, Learning, Discovery, and Access. The reverse sides of the bronze sections have low bas-reliefs of corn. Most pieces in the necklace are bronze. The seal in the center of the campanile and the links in the necklace are sterling silver.

Both the presidential chain of office and the mace are housed in the alumni center and are used at each commencement ceremony.

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 doctorate degree recipients. 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. For example, dark blue represents Philosophy and all hoods used in conferring the Doctor of Philosophy degree at Iowa State University are of dark blue edging.

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 4.0 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)

ADDITIONAL RECOGNITION, UNDERGRADUATE DEGREES

The George Washington Carver Scholarship and Academy is designed for high achieving multicultural students and supports their growth and academic success through specialized curricula and programming. The George Washington Carver Outstanding Achievement Award is granted to those scholars who have demonstrated involvement in a combination of activities such as outstanding community service and successful internships and who are graduating with a 3.5 grade point average or better. These scholars are wearing green stoles.

Iowa State University's Cardinal Key Honor Society, formed in 1926, recognizes students who have achieved the cardinal virtues of leadership, service, scholarship, and character in the university community. Undergraduates must be of junior or senior standing, have earned a minimum cumulative grade point average of 3.0 and be in the top 15% of their academic class. Membership is limited to no more than 1/2 of 1% of the senior class, and 1/3 of 1% of the junior class. These students are wearing two red cords intertwined with a single gold cord.



Fall 2017

Graduate College
Commencement Ceremony

GRADUATE COLLEGE COMMENCEMENT PROGRAM

7:00 p.m., Friday, December 15, 2017, 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
Braeden Irvine, Vocalist

Opening Remarks

President Wendy Wintersteen

Commencement Address

Dr. Anumantha G. Kanthasamy,
Clarence Harley Covault Distinguished Professor,
W.E. Lloyd Endowed Chair and Eminent Scholar
in the College of Veterinary Medicine

Musical Interlude

Cyclone Fantasia.....Michael Golemo

**Recognition of Students Receiving Research Excellence Awards
and Teaching Excellence Awards**

Provost Jonathan Wickert

Conferring of the Degree Doctor of Philosophy

Candidates from the Graduate College
presented by William R. Graves, Dean of the Graduate College

President Wendy Wintersteen

Conferring of the Master's Degree

Candidates from the Graduate College
presented by William R. Graves, Dean of the Graduate College

President Wendy Wintersteen

The Class of 2017 and the Alumni Association

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

Closing Remarks

President Wendy Wintersteen

The Bells of Iowa State

Refer to the back cover for the lyrics and history of *The Bells of Iowa State*

James C. Wilson
arr. by Michael Golemo
Braeden Irvine, Vocalist

Recessional

La Mourisque.....Tylman Susato

GRADUATE COMMENCEMENT CEREMONY

Platform Officials

Wendy Wintersteen, President of the University
Anumantha G. Kanthasamy, Clarence Harley Covault
Distinguished Professor, W. E. Lloyd Endowed Chair
and Eminent Scholar in the College of Veterinary
Medicine and Commencement Speaker
Nancy Dunkel, Board of Regents, State of Iowa
Jonathan A. Wickert, Senior Vice President and Provost
Martino Harmon, Senior Vice President for Student
Affairs
Sarah Nusser, Vice President for Research
Michael R. Crum, Vice President for Economic
Development and Business Engagement
Reginald Stewart, Vice President for Diversity and
Inclusion
John Lawrence, Interim Vice President for Extension and
Outreach
Ann Marie VanDerZanden, Associate Provost for
Academic Programs
Laura Doering, Associate Vice President for Enrollment
Management and Student Success
Jeffery W. Johnson, Lora and Russ Talbot Endowed
President; and CEO of the Iowa State University
Alumni Association
Timothy A. Day, Professor of Biomedical Sciences; and
Faculty Senate President

William R. Graves, Dean of the Graduate College; and
Professor of Horticulture
Luis Rico-Gutierrez, Dean of the College of Design; and
Professor of Architecture
Sarah Rajala, James and Katherine Melsa Dean of the
College of Engineering; and Professor of Electrical
and Computer Engineering
David P. Spalding, David and Ellen Raisbeck Endowed
Dean of the 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
Joe P. Colletti, Interim Dean of the College of Agriculture
and Life Sciences; Associate Director of the Iowa
Agriculture and Home Economics Experiment
Station; and Professor of Natural Resource Ecology
and Management
William J. Gutowski, Associate Dean of the College
of Liberal Arts and Sciences; and Professor of
Geological and Atmospheric Sciences
Patrick G. Halbur, Interim Dean of the College of
Veterinary Medicine; and Professor of Veterinary
Diagnostic and Production Animal Medicine
Hilary Seo, Associate Dean for Curation Services
Jennifer J. Suchan, Interim University Registrar

Faculty Representatives and Presenting Professors

Venkataramana Ajjarapu, Electrical and Computer
Engineering ✧✧
Lorenzo Dubois Baber, School of Education
Xianglan Bai, Mechanical Engineering
Sourabh Bhattacharya, Mechanical Engineering
Petruta Carmen Caragea, Statistics
Halil Ceylan, Civil, Construction and Environmental
Engineering
Abhijit Chandra, Mechanical Engineering
Eun Kwan Choi, Economics
Johann Francois Coetzee, Veterinary Microbiology and
Preventive Medicine
Peter Chancellor Collins, Materials Science and
Engineering
Denise Ann Crawford, School of Education
Thomas Earl Daniels, Electrical and Computer Engineering
Julie Ann Dickerson, Electrical and Computer Engineering
Jing Dong, Civil, Construction and Environmental
Engineering

James W. Evans, Physics and Astronomy
Kristie Jean Franz, Geological and Atmospheric Sciences
Steven A. Freeman, Agricultural and Biosystems
Engineering ††
Janice N. Friedel, School of Education
Nicholas K. Gabler, Animal Science
Ulrike Genschel, Statistics
Megan Gilligan, Human Development and Family Studies
Mark L. Gleason, Plant Pathology and Microbiology
Mark Stephen Gordon, Chemistry †
David Grewell, Agricultural and Biosystems Engineering
Linda Hagedorn, School of Education
Dermot James Hayes, Economics †
Steven James Hoff, Agricultural and Biosystems Engineering
Heike Hofmann, Statistics
Doug W. Jacobson, Electrical and Computer Engineering ††
H. David Jeong, Civil, Construction and Environmental
Engineering

Faculty Representatives and Presenting Professors, continued

Mark Steven Kaiser, Statistics
 Locke Karriker, Veterinary Diagnostic and Production Animal Medicine
 Michael John Kimber, Biomedical Sciences
 Buddhi P. Lamsal, Plant Pathology and Microbiology
 James I. Lathrop, Computer Science
 Leonor F. S. Leandro, Plant Pathology and Microbiology
 Andrew William Lenssen, Agronomy
 John Michael Levis, English
 Brenda J. Lohman, Human Development and Family Studies
 Jack Harold Lutz, Computer Science
 Robyn R. Lutz, Computer Science
 Gayle Joanne Luze, Human Development and Family Studies
 Gustavo Macintosh, Biochemistry, Biophysics and Molecular Biology
 Massimo Marengo, Physics and Astronomy
 Joanne Marshall, School of Education
 Steve Warthen Martin, Materials Science and Engineering ††
 Gordon J. Miller, Chemistry ††
 Leslie L. Miller, Emeritus Professor, Computer Science
 Gary A. Mirka, Industrial and Manufacturing Systems Engineering
 Reza Montazami, Mechanical Engineering
 Kenneth J. Moore, Agronomy †
 Thomas B. Moorman, National Laboratory for Agriculture and the Environment
 Bruce Roy Munson, Emeritus Professor, Aerospace Engineering
 Tricia K. Neppel, Human Development and Family Studies
 Peter Francis Orazem, Economics ††
 John Francis Patience, Animal Science
 R. Ganesh Rajagopalan, Aerospace Engineering
 Dave R. Raman, Agricultural and Biosystems Engineering ☞
 Alejandro Ramirez, Veterinary Diagnostic and Production Animal Medicine
 Aragula Gururaj Rao, Biochemistry, Biophysics and Molecular Biology
 Chris Robert Rehmann, Civil, Construction and Environmental Engineering
 Michael Steven Retallick, Agricultural Education and Studies
 Alison E. Robertson, Plant Pathology and Microbiology
 Alexander Roiterchtein, Mathematics
 Derrick K. Rollins, Chemical and Biological Engineering ††
 Jason Wayne Ross, Animal Science ††
 Wilson K. Rumbeiha, Veterinary Diagnostic and Production Animal Medicine
 Paul E. Sacks, Mathematics
 Maria G. Salas-Fernandez, Agronomy
 Eulanda Sanders, Apparel, Events, and Hospitality Management
 Dipali Gurudutt Sashital, Biochemistry, Biophysics and Molecular Biology
 Patrick S. Schnable, Agronomy ††
 Ian C. Schneider, Chemical and Biological Engineering
 Behrouz Shafei, Civil, Construction and Environmental Engineering
 Brent H. Shanks, Chemical and Biological Engineering †
 Omar G. Smadi, Civil, Construction and Environmental Engineering
 Emily Smith, Chemistry
 Sung Yell Song, Mathematics
 Michelle Lynn Soupir, Agricultural and Biosystems Engineering
 Daniel Spikes, School of Education
 Shankar Subramaniam, Mechanical Engineering
 Wallapak Tavanapong, Computer Science
 Martin Thuo, Materials Science and Engineering
 Stacy Ann Tye-Williams, English
 Gregory L. Tylka, Plant Pathology and Microbiology
 Alan D. Wanamaker, Geological and Atmospheric Sciences
 Chong Wang, Veterinary Diagnostic and Production Animal Medicine
 Lizhi Wang, Industrial and Manufacturing Systems Engineering
 Michael Wannemuehler, Veterinary Microbiology and Preventive Medicine
 Jonathan F. Wendel, Ecology, Evolution and Organismal Biology †
 Douglas Wiczorek, School of Education
 Mary H. Wiedenhoef, Agronomy
 R. Christopher Williams, Civil, Construction and Environmental Engineering
 Hongwei Xin, Agricultural and Biosystems Engineering †††
 Kyoung-Jin Yoon, Veterinary Diagnostic and Production Animal Medicine
 Qijing Zhang, Veterinary Microbiology and Preventive Medicine †
 Jeffrey J. Zimmerman, Veterinary Diagnostic and Production Animal Medicine

Faculty Marshals

Robert S. Wallace, Associate Professor of Ecology, Evolution, and Organismal Biology, College of Liberal Arts and Sciences ◆◆

C. Lee Burras, Professor of Agronomy, College of Agriculture and Life Sciences ◇

John Cunnally, Associate Professor of Art and Visual Culture, College of Design ◇

Frederick H. Dark, Associate Professor and Chair of Finance, Ivy College of Business ◆◆

Veronica J. Dark, Professor of Psychology, College of Liberal Arts and Sciences ◇

Tim R. Derrick, Professor of Kinesiology, College of Human Sciences ◇

Michael Martin, Associate Professor of Landscape Architecture, College of Design ◇

Gordon J. Miller, University Professor of Chemistry, College of Liberal Arts and Sciences ††

Craig Ogilvie, Professor of Physics and Astronomy, College of Liberal Arts and Sciences ☞

Frank E. Peters, Associate Professor of Industrial and Manufacturing Systems Engineering, College of Engineering

Janette R. Thompson, Professor of Natural Resource Ecology and Management, College of Agriculture and Life Sciences ☞

Announcer and Reader of Names

Hollis Monroe

Michael Martin ◇

Musicians

CONDUCTOR **Michael Golemo**, Director of Bands

STUDENT VOCALIST **Braeden Irvine***

TRUMPET
David Lass
Matthew Lowe
Matthew Polson
Paige Sorensen
PJ VanDerWeide
Caleb Webb
Lucas Yoakam

TUBA
Alec Garringer
Corey Hatfield

PERCUSSION
Collin Bell
Emma Davis
Josh Grant

EUPHONIUM
Peter Bekkerus
Jared Lancaster

HORN
Kristy Carter
Rachel Humeston
Nadia Somers

TROMBONE
Alejandro Buentello
Lily Dunlop
Kyle Kain
Ross Thedens

* *Graduating Student*

† *Distinguished Professor*

†† *University Professor*

☞ *Morrill Professor*

◆ *Endowed Chair*

◆◆ *Endowed Professorship*

◆ *Chief Faculty Marshal*

◇ *Senior Faculty Marshal*

GRADUATE COLLEGE COMMENCEMENT SPEAKER

Dr. Anumantha G. Kanthasamy

Dr. Anumantha Kanthasamy is Clarence Harley Covault Distinguished Professor, Chairman of the Department of Biomedical Sciences, and Eugene and



Linda Lloyd Endowed Chair and Eminent Scholar in the College of Veterinary Medicine at Iowa State University. He also served as chair of the Interdepartmental Toxicology Graduate Program for eight years and is the founding director of the Iowa Center for Advanced Neurotoxicology (ICAN) at Iowa State. Dr. Kanthasamy's research focuses on the cellular and molecular

mechanisms related to the pathogenesis of Parkinson's disease and other related neurodegenerative diseases, encompassing the areas of molecular neurotoxicology, cell death and survival signaling, protein aggregation, neuroinflammation epigenetics and translational medicine. His research program has been continuously supported by NIH for more than 20 years, and he has published more than 150 peer-reviewed papers and book chapters. Dr. Kanthasamy received his undergraduate degree in Chemistry, his Master's and Ph.D. in Biochemistry from Madras University in India, and did his postdoctoral training in Pharmacology and Toxicology at Purdue University. Prior to joining Iowa State, Dr. Kanthasamy

was a faculty member in the Department of Neurology and in the Department of Community and Environmental Medicine at the University of California in Irvine, California. Dr. Kanthasamy leads a Presidential Interdisciplinary Translational Research Program called the Big Data Brain Initiative, which aims to identify new treatments and diagnostic biomarkers for Parkinson's and Alzheimer's diseases.

Dr. Kanthasamy has a strong commitment and dedication to graduate education and has graduated about 20 Ph.D. students, several of which have assumed positions at other academic institutions or pharmaceutical companies. His graduates have excelled in presenting their research work at national meetings, thus far winning more than 100 awards. He also established a new one-year MS graduate Program in Biomedical Sciences in the veterinary college that provides a strong career path to professional programs as well as to pharmaceutical companies and other employment opportunities. Dr. Kanthasamy also teaches toxicology and pharmacology courses to graduate students and veterinary medical students. He regularly serves on a variety of panels, including NIH study sections and other grant review committees. Dr. Kanthasamy was recently elected as Fellow of the American Academy of Sciences as well as Fellow of the Academy of Toxicological Sciences. Dr. Kanthasamy served as the president of the Central States Chapter of the Society of Toxicology and also served sequential terms as vice president and president of the Neurotoxicology Specialty Section in the Society of Toxicology.

STUDENT MARSHAL

GRADUATE COLLEGE

Shahin Hajilar

Major: Civil Engineering

Hometown: Gorgan Golestan, Iran



Shahin Hajilar is a Ph.D. candidate in civil engineering, with a specialization in structural engineering. He prepared a dissertation titled *Cementitious materials subjected to mechanical and environmental stressors: A computational framework*. Shahin's research has contributed to improving the strength and durability of concrete materials, commonly used in various civil infrastructure applications.

During his three years as a doctoral student, Shahin has received numerous awards including: Iowa State University Teaching Excellence Award; Research Excellence Award; Best Poster Presentation Award, Iowa Better Concrete Conference, Iowa State University; Best Poster Presentation Award, 6th Annual CCEE Graduate Student Research Showcase and Poster Competition, Iowa State University; Third Best Poster Presentation Award, 5th Annual CCEE Graduate Student Research Showcase and Poster Competition, Iowa State University; Top 10 Finalist for 3-Minutes Thesis (3MT) Presentation, 2nd Annual Graduate and Professional Student's Research Conference, Iowa State University.

Shahin will continue working as a Postdoctoral Research Associate at Iowa State University to pursue his passion for research and education through an academic career.

Faculty Escort: Behrouz Shafei, Assistant Professor of Civil, Construction & Environmental Engineering

CANDIDATES FOR DEGREES FROM THE GRADUATE COLLEGE

DOCTOR OF PHILOSOPHY

Major in Aerospace Engineering

Abdallah Mohammad Almomani *Amman, Jordan*
DISSERTATION: Study of parameters dominating electromechanical and sensing response in ionic electroactive polymer (IEAP) transducers

Yue Zu *Beijing, China*
DISSERTATION: Distributed optimization of multi-agent systems: Framework, local optimizer, and applications

Major in Agricultural and Biosystems Engineering

Harishchandra Tulshiram Jadhav *Maloli, India*
DISSERTATION: Swine finishing room air infiltration quantification-modelling and use in ventilation system design

Brett C. Ramirez *Woodstock, Ill.*
DISSERTATION: A novel approach to measure, understand, and assess the thermal environment in grow-finish swine facilities

§ Kai Liu *Hangzhou, China*
DISSERTATION: Behavior and production responses of pullets and laying hens to enriched housing and lighting

Weitao Zhang *Zhenjiang, China*
DISSERTATION: Techno-Economic Analysis (TEA) and Environmental Impact Assessment (EIA) of corn biorefinery and bioprocessing operation

Major in Agricultural Education

Ronaldo Lising Magtoto *Ames, Iowa*
DISSERTATION: Faculty perceptions regarding the infusion of global perspectives into the College of Agriculture and Life Sciences curriculum: A comparative study

Jay Solomonson *Coal Valley, Ill.*
DISSERTATION: Determining why agricultural educators are leaving the profession and how to increase the retention rate

Major in Apparel Merchandising and Design

Adriana Carmen Gorea *Wilmington, Del.*
DISSERTATION: Seamless knitted sports bra design: A responsive system design exploration

Samii LaShanta Kennedy Benson *Columbia, S.C.*
DISSERTATION: Black fashion designers matter: A qualitative study exploring the experiences of Black female fashion design entrepreneurs

Hui-Siang Tan *Kluang, Malaysia*

Major in Applied Linguistics and Technology

Kadir Karakaya *Antalya, Turkey*
DISSERTATION: A corpus-based and systemic functional analysis of syntactic complexity and nominal modification in academic writing

Sinem Sonsaat *Bursa, Turkey*
DISSERTATION: The influence of an online pronunciation teacher's manual on teachers' cognitions

Major in Applied Mathematics

Monalisa Munsi *Kolkata, India*

Major in Astrophysics

†† Jillian Rose Neeley *Cincinnati, Ohio*
DISSERTATION: RR Lyrae stars as high-precision standard candles in the mid-infrared

§ Research Excellence Award
†† Teaching Excellence Award

Major in Biochemistry

Ryan R. Lappe *Ankeny, Iowa*
DISSERTATION: Functions of maize genes encoding pyruvate orthophosphate dikinase in developing maize endosperm and their enzymatic properties

Priyanka Sandal *Mumbai, India*
DISSERTATION: Characterizing the biochemical interactions between Arabidopsis CRINKLY4 (ACR4), the catalytic subunit of PP2A phosphatase and Arabidopsis CRINKLY4 related kinase (CRK1)
§ Chaoyou Xue *Shandong, China*
DISSERTATION: CRISPR-mediated adaptive immune system in *E. coli*

Major in Bioinformatics and Computational Biology

Ruolin Liu *Lanzhou, China*
DISSERTATION: Transcript assembly, quantification and differential alternative splicing detection from RNA-Seq

Major in Biomedical Sciences (Pharmacology Biology)

Kristina Marie Feye *The Woodlands, Tex.*

Major in Biorenewable Resources and Technology

Patrick Hefmon Hall *Montezuma, Iowa*
DISSERTATION: Recovering valuable products from the aqueous streams of fast pyrolysis

Major in Chemical Engineering

§ Toni Pfennig *Hassloch, Germany*
DISSERTATION: The selective conversion of biomass derived coumalic acid to functionalized aromatics and novel intermediates

Juan Wang *Xinzhou, China*
DISSERTATION: Probing breast cancer cell contact guidance in organized collagen environments

Major in Chemistry

†† Raghu V. Maligal Ganesh *Chennai, India*
DISSERTATION: Thermally stable encapsulated intermetallic and bimetallic nanoparticles for heterogeneous catalysis

Major in Civil Engineering (Civil Engineering Materials)

Xin Wang *Chongqing, China*

Major in Civil Engineering (Construction Engineering and Management)

Milagros Del Carmen Pinto Nunez *Panama, Panama*
DISSERTATION: Comprehensive partnering management model for highway construction projects delivered using traditional and alternative methods

Major in Civil Engineering (Environmental Engineering)

Rusen Sinir *Seydikemer, Turkey*

Major in Civil Engineering (Geotechnical Engineering)

Jia Li *Ames, Iowa*
DISSERTATION: A study on the variability of pavement foundation properties

Zamir Imtiyaz Syed *Ann Arbor, Mich.*
DISSERTATION: Development and calibration of discrete element method inputs to mechanical responses of granular materials

Major in Civil Engineering (Transportation Engineering)

Chaoru Lu *XiangTan, China*
DISSERTATION: Estimate freeway travel time reliability under recurring and nonrecurring congestion

Hossein Naraghi *Tehran, Iran*
DISSERTATION: Observing and modeling drivers' behavior in work zones using SHRP 2 naturalistic driving study data

Major in Computer Engineering

†† Mihir Ishwer Awatramani *Mumbai, India*
DISSERTATION: Workload-aware scheduling techniques for general purpose applications on graphics processing units

Major in Computer Engineering (Computing and Networking Systems)

Xiaoyun Zhang *Dalian, China*
DISSERTATION: A study of sensor movement and selection strategies for strong barrier coverage

Major in Computer Engineering (Secure and Reliable Computing)

Julie Ann Rursch *Reynolds, Ill.*
DISSERTATION: CIMoRE: Developing a framework for a critical infrastructure modeling and response environment

Major in Computer Science

†† Samuel Jay Ellis *Chaska, Minn.*
†† Thitivatr Patanasakpinyo *Bangkok, Thailand*
DISSERTATION: Flattening methods for adaptive location-based software to user abilities

§ Donald Merriman Stull *Spring, Tex.*
DISSERTATION: Algorithmic randomness and analysis
†† Guolei Yang *Xian, China*

Major in Condensed Matter Physics

Peng Zhang *Xinghua, China*
DISSERTATION: Manipulating light and matter with photonic structures: Numerical investigations on photonic crystals and optical forces

Major in Crop Production and Physiology

†† Cynthia Anna Bartel *Harvard, Ill.*
DISSERTATION: Perennial groundcovers for maize-based bioenergy production systems

Major in Economics

†† Shufen Chen *Beijing, China*
DISSERTATION: Using rational expectations storage model to explain natural gas price

Xiaoguang Feng *Wuhan, China*
DISSERTATION: Three essays on agricultural insurance and farm real estate investment

†† Timothy John Rakitan *Davis, Calif.*
DISSERTATION: Essays in the economics of energy development and disamenities

Major in Education

Comfort E. Akwaji-Anderson *Iowa City, Iowa*

Major in Education (Curriculum and Instructional Technology)

†† Yi Jin *Tianjin, China*

Major in Education (Educational Leadership)

Chris David Bowser *Ottumwa, Iowa*
DISSERTATION: How front line student services staff experience transition from a traditional model to an integrated model of student services

Kelly LeAnn Friesleben *West Des Moines, Iowa*
DISSERTATION: Characteristics and enrollment factors of post-degree students at a large, public, community college in the Midwest

Lee John Geisinger *Waterloo, Iowa*
DISSERTATION: Investigating administrators and faculty perception regarding applied baccalaureate degrees at a Midwestern university

§ Darin Marcus Haack *Ankeny, Iowa*
DISSERTATION: Teachers' inquiry stance: Collaboration through data analysis in a professional learning community

§ Jermaine DeSean Johnson *Trenton, S.C.*
DISSERTATION: Led by lawyers: Perceptions of legal training and experience and their effect upon leadership

Robinette Kelley *Raleigh, N.C.*
DISSERTATION: Community college leadership in the Midwest: Pathways, preparation, and competencies

Joy Marie Linquist *Clive, Iowa*
DISSERTATION: The absence of LGBTQ-related language in Iowa student handbooks: School handbooks as a catalyst for change

Carolyn Suzanne Manard *Boone, Iowa*
DISSERTATION: Principals' early career instructional leadership experiences in rural schools

Eric Neil Merten *Ankeny, Iowa*
DISSERTATION: Reverse credit transfer: Associate degree attainment in the State of Iowa

Bryan Dale Renfro *Independence, Iowa*
DISSERTATION: The effect of student characteristics on the frequency of faculty-student interaction in the community college

Karen Rae Reynolds *Hudson, Iowa*

Shawna Lynn Hulett Saad *Gilbert, Iowa*
DISSERTATION: Reverse transfer credit: A case study of the perceived influence on degree recipients

Eric Christopher Shafer *Grimes, Iowa*
DISSERTATION: A qualitative study of how teacher perceptions within a 1:1 iPad Program may contribute to changes in teacher practices

Linda Jean Garbisch Svenson *Ames, Iowa*

Jesse Dean Ulrich *West Bend, Iowa*
DISSERTATION: Factors related to superintendent retention and turnover

Alicia Vance Aguiar *Cedar Rapids, Iowa*

Cheryl Jean Williams *West Des Moines, Iowa*
DISSERTATION: First-generation community college students and their sense of place: An opportunity to succeed; an opportunity to belong

Major in Electrical Engineering

Xian Guo *Shandong, China*

Bin Huang *Harbin, China*
DISSERTATION: Performance enhancement techniques for operational amplifiers

You Li *Shanghai, China*
DISSERTATION: Low-cost, high-precision DAC design based on ordered element matching and verification against undesired operating points for analog circuits

Qiugu Wang *Tianchang, China*
DISSERTATION: MEMS tunable infrared metamaterial and mechanical sensors

Major in Electrical Engineering (Electric Power and Energy Systems)

Shiyang Li *Kunming, China*
DISSERTATION: Online monitoring and control of voltage stability margin via machine learning-based adaptive approaches

Ashraf Ghassab Radaideh *Irbid, Jordan*
DISSERTATION: Sequential set-point control of thermostatic loads using extended Markov chain abstraction to improve future renewable energy integration

Major in Electrical Engineering (Very Large Scale Integration)

§ Yuming Zhuang *Xi'an, China*
DISSERTATION: Accurate and robust spectral testing with relaxed instrumentation requirements

Major in Engineering Mechanics

Ning Pei *Tangshan, China*
DISSERTATION: Analysis of critically refracted longitudinal and Lamb waves for stress characterization

Major in Entomology

§†† Ruben Isai Madriz Villanueva *Aurora, Ill.*
DISSERTATION: The primitive crane flies (Diptera: Tanyderidae)

Major in Genetics

Hiruni Harischandra *Ames, Iowa*
DISSERTATION: Filarial nematode exosome-like vesicles (ELVs): Functional significance and control relevance

Alina Erin Ott *Ames, Iowa*
DISSERTATION: Assessment of genetic diversity and recombination in maize

Major in High Energy Physics

Daniel Jeffrey Pluth *Iowa City, Iowa*

Major in Hospitality Management

Rex Nelson Warren *Harlingen, Tex.*
DISSERTATION: Occupancy forecasting methods and the use of expert judgement in hotel revenue management

Major in Human Computer Interaction

Muath Alhussain Khawaji *Jazan, Saudi Arabia*
DISSERTATION: Overcoming challenges in smart phone use among older adults in Saudi Arabia

Major in Human Development and Family Studies

Brenda Sue Allen *Ames, Iowa*
DISSERTATION: Positive youth development programs build civically engaged leaders

Major in Industrial and Agricultural Technology

Steven Leon Devlin *Columbia, Mo.*
DISSERTATION: Modeling of filament deposition rapid prototyping process with a closed form solution

†† John Robin Haughey *Lancaster, Pa.*
DISSERTATION: Student motivation and academic success: Examining the influences, differences, and economics of mechatronic experiences in fundamental undergraduate courses

Jason John Schaufenbuel *Boone, Iowa*
DISSERTATION: Analysis of commercial lines insurance claims in the nursing home industry

Major in Industrial Engineering

§ Davood Hajinezhad *Bardaskan, Iran*

§ Ye Han *Shanghai, China*
DISSERTATION: Operations research applications in multi-allelic trait introgression in plant breeding

Major in Kinesiology

Yanlong Song *Shanghai, China*
DISSERTATION: Modulating visuomotor adaptation in young healthy adults: Effects of reward and punishment

Major in Materials Science and Engineering

†† Christopher Ranger Celandia *Ottumwa, Iowa*
DISSERTATION: Novel gold intermetallics with unique properties and bonding patterns

Shuaishuai Liu *Lianyungang, China*
Joshua Raymond Roth *Highland, Ill.*
Deborah Watson *Frisco, Tex.*

Major in Mathematics

†† Robert Lee Lazar *San Diego, Calif.*
DISSERTATION: Association schemes and designs in symplectic vector spaces over finite fields

Major in Mechanical Engineering

Adedotun John Akintayo *Ibadan, Nigeria*
DISSERTATION: Hierarchical feature extraction from spatiotemporal data for cyber-physical system analytics

†† Ehsan Madadi Kandjani *Tabriz, Iran*
DISSERTATION: Quadrature-based models for multiphase and turbulent reacting flows

Eric James Murphy *Eldridge, Iowa*
Nithin Somalatha Panicker *Cincinnati, Ohio*
DISSERTATION: Computational models for turbulent bubbly flows in bubble columns

Spencer Lee Pfeifer *Wayland, Iowa*
DISSERTATION: Linking process-structure-property relationships: Modeling and optimization in thin film morphologies

†† Pavan Anirudh Poosarla *Visakhapatnam, India*
DISSERTATION: Development and modelling of a novel atmospheric pressure plasma assisted precision polishing platform

Daniel James Stoecklein *Lakeville, Minn.*
DISSERTATION: Computational methods and software for the design of inertial microfluidic flow sculpting devices

Minh Hoang Tran *Ho Chi Minh City, Vietnam*

Major in Microbiology

Racheal Nichole Upton *Mount Joy, Pa.*
DISSERTATION: Scaling approach to microbial interactions in soil across three bioenergy cropping systems

Fei Wang *Tongling, China*
DISSERTATION: Influence of long-term survival on resistance of *Salmonella enterica* serovar tphimurium and *Escherichia coli* O157:H7 to physical or chemical food processes

Major in Nutritional Sciences

§ Lyndi M. Buckingham-Schutt *Waverly, Iowa*
DISSERTATION: The behavioral wellness in pregnancy study: A theory-based multi-component intervention to promote appropriate weight gain and healthy lifestyle behaviors in previously sedentary pregnant women

Major in Organic Chemistry

Ivan M. Geraskin *Saratov, Russia*
DISSERTATION: Syntheses of natural products and molecules for RNA imaging
Akbar Husain Khan *Maryville, Ill.*

†† James Alfonzo Walker Jr. *Cincinnati, Ohio*
DISSERTATION: Methods for alkene difunctionalizations: Hydroacylation & carboacylation

Major in Physical Chemistry

Kristopher William Keipert *Bay City, Mich.*
DISSERTATION: Knowledge is power: Quantum chemistry on novel computer architectures

Major in Plant Breeding

John N. Cameron *Waunakee, Wis.*

Major in Plant Pathology

§ Hafizi Rosli *Masjid Tanah, Malaysia*
DISSERTATION: Sooty blotch and flyspeck: Taxonomy, ecology, and management

Major in Psychology

†† Frederick Darnell Clavel *Bronx, N.Y.*
DISSERTATION: Couples social support quality in the context of dyadic emotional experiences

Major in Soil Science (Soil Fertility)

§ Hanna Jane Poffenbarger *Walkersville, Md.*
DISSERTATION: Nitrogen fertilization and crop diversity effects on soil carbon and nitrogen cycling in Iowa cropland

Major in Statistics

†† Brenna Jillian Curley *Golden Valley, Minn.*
DISSERTATION: Nonlinear models with measurement error: Application to vitamin D

†† Jillian Dawn Downey *Iowa City, Iowa*
DISSERTATION: Accounting for structure in education assessment data using hierarchical models

Yaxuan Sun *Xiangyang, China*
DISSERTATION: Statistical methods in modeling disease surveillance data with misclassification

Samantha Carroll Tyner *North Aurora, Ill.*
Kenneth William Wakeland *Idaville, Ind.*
DISSERTATION: Exploring dependence in binary Markov random field models

Major in Toxicology

Poojya V. Anantharam *Gilbert, Iowa*
DISSERTATION: Development of mouse models of hydrogen sulfide-induced neurotoxicity for the evaluation of neuroprotective strategies

Major in Veterinary Microbiology

Patrick John Gorden *Ames, Iowa*
DISSERTATION: Impact of disease in dairy cows on ceftiofur pharmacokinetics, withdrawal times and emergence of antimicrobial resistance

§ Samantha Jean Hau *Cedar Rapids, Iowa*
DISSERTATION: Genetic and phenotypic characterization of livestock associated methicillin resistant *Staphylococcus aureus* sequence type (ST) 5 in comparison with clinical ST5 isolates from humans

Major in Veterinary Microbiology (Preventive Medicine)

Paisley Canning *London, Canada*
DISSERTATION: Clinical management of infectious arthritis in growing swine: Tools for diagnosis and treatment implementation in the field setting

Marisa Rotolo *Evergreen, Colo.*
DISSERTATION: Surveillance in contemporary livestock production systems

Major in Veterinary Pathology

Alejandro Larios Mora *Ames, Iowa*

Multiple Curricula and Majors

Deborah Marie Aller *Stony Brook, N.Y.*
MAJORS: Soil Science (Soil Chemistry) and Environmental Science
DISSERTATION: Scaling understanding of biochar aging impacts on soil water and crop yields

Armando Luis Figueroa *San Juan, Puerto Rico*
MAJORS: Wind Energy Science Engineering and Policy and Electrical Engineering

Stefans R. Gailans *Mequon, Wis.*
MAJORS: Crop Production and Physiology and Sustainable Agriculture
DISSERTATION: Evaluating alternative, diverse cropping systems that include canola, wheat, and red clover in Iowa

Junzhao Hu *Xingtai, China*
MAJORS: Applied Mathematics and Statistics
DISSERTATION: Numerical solutions for the deterministic and stochastic Allen-Cahn equations and the mean curvature flow

Madelyn Jean Mette *Burnsville, Minn.*
MAJORS: Geology and Environmental Science
DISSERTATION: *Arctica islandica* shell growth and geochemical records from northern Norway as North Atlantic marine climate proxies for the last millennium

§ Heliang Shi *Changchun, China*
MAJORS: Toxicology and Statistics
DISSERTATION: Design and characterization of novel immunogens for AIDS vaccine development and evaluation of a sample inference method for NGS Illumina amplicon data

Yuan Xue *Liyang, China*
MAJORS: Mechanical Engineering and Biorenewable Resources and Technology
DISSERTATION: Thermochemical conversion of organic and plastic waste materials through pyrolysis

MASTER OF ACCOUNTING

Major in Accounting

| | | | |
|-------------------------|----------------------------|-----------------------|-------------------------|
| Leah Marie Harvey | <i>West Point, Iowa</i> | Colby James Siebersma | <i>Urbandale, Iowa</i> |
| Deena Fuji Klesel | <i>Ankeny, Iowa</i> | Claire Opal Smith | <i>Des Moines, Iowa</i> |
| Abigail Jo Luppés | <i>Blairsburg, Iowa</i> | Dana Kristine Snyder | <i>Wilton, Iowa</i> |
| Yuan Ma | <i>Ames, Iowa</i> | Natalie J. Thiesse | <i>Spencer, Iowa</i> |
| Erik Christopher Nelson | <i>Apple Valley, Minn.</i> | Kaixuan Zhang | <i>Zhengzhou, China</i> |
| Molly Therese Petron | <i>Minnetonka, Minn.</i> | Yanbo Zhao | <i>Qingdao, China</i> |

MASTER OF ARCHITECTURE

Major in Architecture

| | |
|--------------|---------------------|
| Alison Brunn | <i>Edina, Minn.</i> |
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MASTER OF ARTS

Major in Anthropology

| | |
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| Moriah Rose Morgan | <i>Corydon, Iowa</i> |
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Major in Graphic Design

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| Avan Liao | <i>Taichung City, Taiwan</i> |
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Major in Interior Design

| | |
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| Zhenru Zhang | <i>Shijiazhuang, China</i> |
| THESIS: Addressing variability as an expansion of naturalistic lighting theory for user wellbeing | |

Major in Political Science

| | |
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| Addison Daniel Huygens | <i>West Des Moines, Iowa</i> |
| THESIS: American decline and changing global hegemony | |

Major in Political Science (Public Policy)

| | |
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| Steven D. Oberbroeckling | <i>Bondurant, Iowa</i> |
| THESIS: Exploring Iowa school district funding: Equity of costs per pupil and rules of the road | |

Major in Teaching English as a Second Language/Applied Linguistics (Computer Assisted Language Learning)

| | |
|---------------------|-------------------|
| Lea Maree Johannsen | <i>Ames, Iowa</i> |
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Major in Teaching English as a Second Language/Applied Linguistics (Teaching English to L1 Spanish Learners)

Jennifer Elise Musgrove *Ames, Iowa*
THESIS: Spanish listening comprehension test
development project: Considering learner L2
listening comprehension in the course placement
equation

MASTER OF BUSINESS ADMINISTRATION

Major in Business Administration

| | | | |
|--------------------------|--------------------------------|-------------------------|----------------------------|
| Amritapa Banerjee | <i>Bankura, India</i> | Dustin Thomas Moscoso | <i>Davenport, Iowa</i> |
| Curtis Austin Conrad | <i>Arlington Heights, Ill.</i> | Charles Anthony Nermyr | <i>Eden Prairie, Minn.</i> |
| Fallon Lexington Darrell | <i>West Des Moines, Iowa</i> | Nicholas James Sloan | <i>Center Point, Iowa</i> |
| Matthew Nelsen Gustafson | <i>Mahtomedi, Minn.</i> | Alexander R. Williamson | <i>Urbandale, Iowa</i> |
| Nik Guttormson | <i>Huxley, Iowa</i> | | |

Major in Business Administration (Business Analytics)

Riheng Cao *Shijiazhuang, China*

Major in Business Administration (Finance)

| | | | |
|------------------------|------------------------|--------------------------|-------------------------|
| Lincoln Q. Banwart | <i>Clive, Iowa</i> | Alexander Francis Lester | <i>Papillion, Neb.</i> |
| Nicholas John Collison | <i>Lake City, Iowa</i> | Sri Latha Narayanabhatla | <i>Hyderabad, India</i> |
| Nathan Fredrick Hansen | <i>Minot, N. Dak.</i> | | |

Major in Business Administration (Supply Chain Management)

Pallavi Gopinath Rao *Mangalore, India*

MASTER OF BUSINESS ANALYTICS

Major in Business Analytics

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| Hanumarangaiah Bangalore | <i>Ames, Iowa</i> | Kelly Lou Schwartz | <i>Highlands Ranch, Colo.</i> |
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MASTER OF COMMUNITY AND REGIONAL PLANNING

Major in Community and Regional Planning

Ruth Eckstein Hulstrom *Nevada, Iowa*

MASTER OF DESIGN IN SUSTAINABLE ENVIRONMENTS

Major in Sustainable Environments

| | | | |
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| Yun Dong | Chengdu, China | Matthew Asa Wilson | Chicago, Ill. |
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MASTER OF EDUCATION

Major in Education

| | | | |
|-------------------|------------------|-----------------------|-------------|
| Angela Lynn Berry | Des Moines, Iowa | Jennifer Kae Petersen | Exira, Iowa |
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Major in Education (Curriculum and Instructional Technology)

| | |
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| Misty L. Spencer | Ames, Iowa |
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Major in Education (Higher Education)

| | | | |
|----------------------|-------------|-----------------------|------------------|
| Toni Jackson-Lampley | Ames, Iowa | Morgan Richard Rippke | Ames, Iowa |
| Tina Nicole Prouty | Boone, Iowa | Mary Margaret Weinand | Burlington, Iowa |

MASTER OF ENGINEERING

Major in Aerospace Engineering

| | | | |
|---------------------------|--------------------|-------------------------|--------------------|
| Benjamin Thomas Butler | Madison, Wis. | Sean Vandenvond | Kansas City, Mo. |
| Michael Anthony Dembinski | Orlando, Fla. | Muhammad Helmi Zulkifli | Seremban, Malaysia |
| Taylor Hoensheid | Suttons Bay, Mich. | | |

Major in Agricultural and Biosystems Engineering

| | | | |
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| John Wyatt Hall | Boone, Iowa | Oliver Daniel Hennig | Kelkheim, Germany |
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Major in Civil Engineering (Construction Engineering and Management)

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| Erasmus Theophilus Quaye | Killeen, Tex. |
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Major in Civil Engineering (Structural Engineering)

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| Shovon Mukherjee | Kolkata, India | Nathan Alan Ryan | Iowa City, Iowa |
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Major in Civil Engineering (Transportation Engineering)

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| Xingwei Weng | Changzhou, China |
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Major in Computer Engineering

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| Abhas Bhatt | Ames, Iowa | Cuong Nguyen | Ames, Iowa |
|-------------|------------|--------------|------------|

Major in Electrical Engineering

| | | | |
|------------------------|------------------|--------------------------------------|--------------------|
| Bradley M. Christensen | Rosemount, Minn. | Bharat Subramaniyan Mani Prem Sankar | Tirunelveli, India |
| Rory Matthew Jones | Kelley, Iowa | | |

Major in Engineering Management

| | | | |
|-------------------------|----------------------------|----------------------|------------------------------|
| Nathan Anthony Andrican | <i>Eden Prairie, Minn.</i> | Robert John Huston | <i>Minneapolis, Minn.</i> |
| Caleb John Bashore | <i>Letts, Iowa</i> | Frank Thomas Kapica | <i>Hoffman Estates, Ill.</i> |
| Samantha Shine Harris | <i>Huntsville, Ala.</i> | Sarah Lyn Schinckel | <i>Ankeny, Iowa</i> |
| Michael Heitkamp | <i>Blaine, Minn.</i> | Michael Donald Stinn | <i>Atlantic, Iowa</i> |

Major in Engineering Mechanics

| | |
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| Mahmoud Faytarouni | <i>Baalbeck, Lebanon</i> |
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Major in Industrial Engineering

| | | | |
|-----------------------------|-----------------------|---------------------|--------------------------|
| Vishnu Prasad Parthasarathy | <i>Chennai, India</i> | Laura Jean Wendorff | <i>Saint Paul, Minn.</i> |
|-----------------------------|-----------------------|---------------------|--------------------------|

Major in Information Assurance

| | | | |
|------------------------|-----------------------------|---------------------------|----------------------|
| John Garbarini | <i>Wayne, N.J.</i> | Joseph D. Steele-Thurston | <i>Clive, Iowa</i> |
| David Anthony Hingos | <i>East Brunswick, N.J.</i> | Michael Adam Tucker | <i>Harvest, Ala.</i> |
| Rhiannon Michelle Jons | <i>Afton, Iowa</i> | | |

Major in Materials Science and Engineering

| | |
|-------------------|--------------------------------|
| Tyler Randal Bell | <i>Elk Grove Village, Ill.</i> |
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Major in Mechanical Engineering

| | | | |
|--------------------------|--------------------------------|-----------------------|--------------------------|
| Sahar Andalib | <i>Tabriz, Iran</i> | Yi Liu | <i>Ames, Iowa</i> |
| Jonathan Luke Beam | <i>Broken Arrow, Okla.</i> | Kevin James Nelson | <i>Champlin, Minn.</i> |
| Matthew Dean Burchill | <i>St. Clair Shores, Mich.</i> | Brandon Lee Tomlinson | <i>Fairfax, Iowa</i> |
| Jace Ray Carlock | <i>Meadville, Miss.</i> | Chi Wong | <i>Brooklyn, N.Y.</i> |
| Luke T. Davis | <i>Holland, Iowa</i> | Alex Wrede | <i>Clara City, Minn.</i> |
| Daniel Francis Kimlinger | <i>Lindstrom, Minn.</i> | | |

Major in Systems Engineering

| | | | |
|------------------------|----------------------------|----------------------|--------------------------------|
| Khondkar Faiaz Hasan | <i>Cedar Rapids, Iowa</i> | Prakash Regmi | <i>Marion, Iowa</i> |
| Barbara Gale Lappe | <i>Marion, Iowa</i> | Andrew James Tekippe | <i>Panama City Beach, Fla.</i> |
| Andrew Heath Maxim | <i>St Petersburg, Fla.</i> | Akash Vidyadharan | <i>Kerala, India</i> |
| Ravindragouda K. Patil | <i>Clive, Iowa</i> | Jeremy Reid Wilson | <i>Ebensburg, Pa.</i> |
| Andrea Michelle Peters | <i>Ely, Iowa</i> | | |

Multiple Curricula and Majors

| | | | |
|--|------------------------|--|---------------------------|
| Ryan Eugene Ollie | <i>Underwood, Iowa</i> | Robert E. Williams Jr. | <i>Cedar Rapids, Iowa</i> |
| MAJORS: Information Assurance and Computer Engineering | | MAJORS: Computer Engineering and Information Assurance | |

MASTER OF FAMILY AND CONSUMER SCIENCES

Major in Family and Consumer Sciences (Dietetics)

| | | | |
|----------------------|-----------------------|----------------------|--------------------|
| Emily Francesca Otto | <i>Waukesha, Wis.</i> | Kimberly Kay Sleeman | <i>Tampa, Fla.</i> |
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Major in Family and Consumer Sciences (Family Financial Planning)

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| Dylan James Camp | <i>Newton, Iowa</i> |
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Major in Family and Consumer Sciences (Gerontology)

Michelle S. Buhman *Iowa City, Iowa*

Major in Family and Consumer Sciences (Youth Development)

Kelli Lynn Rau *West Branch, Mich.*

MASTER OF FINANCE

Major in Finance

Mohammad Nurul Hasan *Dhaka, Bangladesh* Joseph Lural Tetzlaff *Pierre, S. Dak.*

MASTER OF FINE ARTS

Major in Creative Writing and Environment

Cathleen Chittenden Bascom *Forest City, Iowa*

Major in Integrated Visual Arts

Xin Chen *Shenyang, China* †† Matthew Brian Obbink *Ames, Iowa*
 THESIS: Culture and my art THESIS: Building Eugene

MASTER OF HUMAN COMPUTER INTERACTION

Major in Human Computer Interaction

| | | | |
|--------------------------|-------------------------|--------------------------|----------------------------------|
| Matthew Neil Behrens | <i>Ankeny, Iowa</i> | Charles Thomas Marcotte | <i>Minneapolis, Minn.</i> |
| Anthony Alexander Guerra | <i>Ankeny, Iowa</i> | Nicholas Anthony Petkoff | <i>Phoenix, Ariz.</i> |
| Bailey Ann Hanson | <i>Des Moines, Iowa</i> | Hieu Trung Quach | <i>Ho Chi Minh City, Vietnam</i> |
| Abby Jayne Huisman | <i>Des Moines, Iowa</i> | Charissa Maria Riddle | <i>Cedar Park, Tex.</i> |

MASTER OF SCIENCE

Major in Aerospace Engineering

Abdullah Hussein Alnaqeb
Abu Dhabi, United Arab Emirates

THESIS: Online prediction of battery discharge and flight mission assessment for electrical rotorcraft

Prashanth Sagar Reddy Beeram *Hyderabad, India*

THESIS: Characterization of ice adhesion strength over different surfaces pertinent to aircraft anti-/de-icing

Zach Glenn Benedict *Terril, Iowa*

THESIS: Evaluation of aerogel as a material additive for the creation of synthetic defects in carbon fiber reinforced plastics

Wyatt Alex Hagen *Shellsburg, Iowa*

THESIS: Numerical modeling of liquid jets in crossflow with applications to supersonic combustion ramjets

Alexander M. Peters *Marion, Iowa*

Austin William Rau *Henderson, Nev.*

THESIS: Development of a method to determine the dashpot coefficient of an isolator material in vibrothermography

Chelsea Rita Velasquez *Marengo, Ill.*

THESIS: Numerical analysis of the internal and external dynamics of a fluidic oscillator

Christopher J. Wenger *Donnellson, Iowa*

Ryan Christopher Zehr *Washington, Iowa*

THESIS: Computational investigation of effects of crosswinds on detailed locomotive geometry with rotating wheels and moving ground plane

Major in Agricultural and Biosystems Engineering

Bethany Anne Brittenham *Superior, Neb.*

THESIS: Effect of converting row crop to prairie on nutrient concentration in shallow groundwater and soil properties

Karla Enid Lebron *Toa Alta, Puerto Rico*

THESIS: Interfacial healing and transport phenomena modeling of biopolymers

Kortney Paige Wagner *Wapello, Iowa*

THESIS: A mass balance based model to evaluate the impact of amino acid profiles on the feeding and processed value of soybeans

Major in Agricultural Education

Sarah Al-Mazroa *Peru, Iowa*

THESIS: Assessment of critical thinking skills in undergraduate animal science students and curriculum

Kevin Frederick Butt *Iowa Falls, Iowa*

Justin Roy Edwards *Ames, Iowa*

Amber Marie Greiman *Hudson, Iowa*

Melissa Marie Knudson *Monticello, Wis.*

Alison Louise McGrew *Good Hope, Ill.*

Benjamin Lee Prewitt *Williamsburg, Ky.*

Major in Agronomy

Mark Daniel Evans *New Prague, Minn.*

Devin John Kiekel *Lawrence, Kans.*

Daniel Duaine Koehler *Walters, Minn.*

Maxine Joan Levin *Silver Spring, Md.*

Willard David Mott *Neponset, Ill.*

Steven Donald Okonek *Taylor, Wis.*

Nathan Paul Quam *Jefferson, Iowa*

Christopher Robert Saacke *Minburn, Iowa*

John Daniel Stewart *Noblesville, Ind.*

Emilee Jo Wedekind *Illinois City, Ill.*

Major in Animal Physiology (Reproductive Physiology)

†† Matthew Robert Romoser *Keota, Iowa*

Major in Animal Science

Claire E. Andresen *Kellerton, Iowa*

Alyssa Sue Cornelison *New Virginia, Iowa*

THESIS: The influence of a naturally occurring health challenge on U.S. pork production in grow-finish pigs

Major in Applied Mathematics

Sen Zhou *Shanghai, China*

Major in Architecture

Evan Michael Jeanblanc *Fort Dodge, Iowa*
THESIS: Documentation and analysis of a design build study in the development of a platform to advance interdisciplinary building science research infrastructure, known as the mobile diagnostic lab.

Major in Biomedical Sciences

| | | | |
|---------------------------|--------------------------|-------------------------|----------------------|
| Elizabeth Danielle Chitty | <i>Muscatine, Iowa</i> | Prita Kirankumar Pandya | <i>Surat, India</i> |
| Kelsi Jean Gensley | <i>South Amana, Iowa</i> | Aparna Sahajan | <i>Kannur, India</i> |
| Brenna Rae Nordeng | <i>Rose Creek, Minn.</i> | | |

Major in Civil Engineering (Civil Engineering Materials)

Benjamin Stephen Claypool *Denison, Iowa*

Major in Civil Engineering (Environmental Engineering)

| | | | |
|-------------|-----------------------|--|-----------------------|
| Xuwei Liang | <i>Taiyuan, China</i> | Yuqi Song | <i>Lanzhou, China</i> |
| | | THESIS: Estimating the longitudinal dispersion coefficient in natural channels | |

Major in Civil Engineering (Structural Engineering)

| | | | |
|-------------|-------------------------|---|-------------------------|
| Yuesheng Li | <i>Hangzhou, China</i> | Anmol Mohiniraj Pakhale | <i>Dombivli, India</i> |
| Sijia Lu | <i>Saint Louis, Mo.</i> | THESIS: Acceleration of bridge construction with prolonged service life | |
| | | Yee Er Teoh | <i>Subang, Malaysia</i> |

Major in Computer Engineering

| | | | |
|-----------------|------------------------|-----------------------|-----------------------------|
| Sanchita Barman | <i>Iowa City, Iowa</i> | Anvesh Reddy Katukuri | <i>Vishakapatnam, India</i> |
|-----------------|------------------------|-----------------------|-----------------------------|

Major in Computer Engineering (Computing and Networking Systems)

| | | | |
|---|-------------------------|----------------------------|-------------------------|
| Shen Fu | <i>Guangzhou, China</i> | Sai Abhyudhay Reddy Ravula | <i>Hyderabad, India</i> |
| THESIS: Smart phone aided insulin injection sites management system | | | |

Major in Computer Engineering (Secure and Reliable Computing)

| | | | |
|---------------------------|---------------------------|---|-------------------|
| Rakesh Chowdari Maddineni | <i>Banswada, India</i> | Zhen Xu | <i>Ames, Iowa</i> |
| Kanagasabai Swaminathan | <i>Tirunelveli, India</i> | THESIS: Dynamic taint analysis tool for forensic analysis | |
| | | Ye Zhang | <i>Ames, Iowa</i> |

Major in Computer Engineering (Software Systems)

Charles G. Hubbard *Ames, Iowa*
THESIS: Bilinear and parallel prediction methods

Major in Computer Science

| | | | |
|--|------------------|---|--------------------|
| Boudhayan Banerjee | Kolkata, India | Neeraj Kavassery Parakkat | Pondicherry, India |
| Arjun Bhattacharya | Kolkata, India | THESIS: Triangle counting in graph streams: Power of multi-sampling | |
| Sheng Bi | Hefei, China | Shenyang Liu | Harbin, China |
| THESIS: A user configurable Implementation of B-tree as a utility | | Swarn Priya | Begusarai, India |
| †† Bijon Kumar Bose | Chinsurah, India | Avinash Radhakrishnan | Chennai, India |
| Tianshuang Gao | Xi'an, China | Ramanathan Ramu | Chennai, India |
| THESIS: A testbed for multi-robot systems | | THESIS: A hybrid approach for selecting and optimizing graph traversal strategy for analyzing BigCode | |
| Qingqin Hou | Shanghai, China | Jiayuan Ren | Wenhou, China |

Major in Diet and Exercise

| | | | |
|--|---------------|------------------|----------------------|
| Morgan Nichole Morse | Altoona, Iowa | Claudia Peterson | Chippewa Falls, Wis. |
| THESIS: Physical activity in the preschool classroom: An approach to enhance executive functioning through the move 4 thought PreK-K program | | | |

Major in Education (Curriculum and Instructional Technology)

| | |
|--|-----------------|
| †† § Ozlem Karakaya | Antalya, Turkey |
| THESIS: Investigating preservice teachers' TPACK Integration into lesson planning | |

Major in Electrical Engineering

| | | | |
|--|-----------------|-----------|------------------|
| Tyler Douglas Antony | Big Lake, Minn. | Xilu Wang | Zhengzhou, China |
| THESIS: Analysis of four-point alternating current potential drop measurements on an anisotropic conductive half-space | | | |

Major in Electrical Engineering (Communications and Signal Processing)

| | |
|---------------|----------------|
| Tarik Loukili | Johnston, Iowa |
|---------------|----------------|

Major in Electrical Engineering (Electromagnetics, Microwave and Nondestructive Evaluation)

| | | | |
|---|----------------|---------------|--------------|
| Subhanwit Roy | Kolkata, India | Aditya Suresh | Thane, India |
| THESIS: Microwave resonant sensor for measurement of ionic concentration in aqueous solutions | | | |

Major in Electrical Engineering (Microelectronics and Photonics)

| | | | |
|--------------|------------------|-----------|------------------|
| Rajiv Kaudal | Kathmandu, Nepal | Xuan Qiao | Zhengzhou, China |
|--------------|------------------|-----------|------------------|

Major in Electrical Engineering (Very Large Scale Integration)

| | |
|------------|------------------|
| Wenbing Ma | Changzhou, China |
|------------|------------------|

Major in Environmental Science

Hannah Leigh Hoglund *Champlin, Minn.*
THESIS: Greenhouse gas emissions from Iowa
Conservation Reserve Enhancement Program
wetlands

Camille Emma Karnatz *Chicago, Ill.*
THESIS: Effectiveness of best management
practices to increase infiltration in urban and
rural environments

Bret Jonathon Lang *Kanawha, Iowa*
THESIS: Identification of spatial and temporal
parameters to support monitoring of Lepidoptera
in urban areas

Major in Food Science and Technology

Monica Primacella *Ames, Iowa*
THESIS: Determination of gelation mechanism and
prevention methods of freeze-thawed hen egg yolk

Anne Kalyn Seely *St. Charles, Iowa*
THESIS: Determining aroma differences among
basil, parsley, and dill grown under varied
supplemental light wavelengths using consumer
sensory and flash gas chromatograph-electronic
nose analyses

Yixing Tian *Beijing, China*
THESIS: Photostability studies of retinyl palmitate
entrapped in policosanol oleogel matrices

Major in Forestry

William Gerald Heber *Waterloo, Iowa*

Major in Gerontology

Yan Su *Ames, Iowa*
THESIS: Impact of intergenerational programs on
older adults' psychological well-being: A meta-
analysis

Major in Hospitality Management

Bella Wai Chan *Brooklyn, N.Y.*

Major in Human Computer Interaction

Arko Basu *Kolkata, India*
Jonathan Michael Binder *Glen Burnie, Md.*
Lawrence Tyler Greer *Simpsonville, S.C.*
Torin David Hopkins *Highland Park, Ill.*

Angela Kuwaye *Chandler, Ariz.*
Hetukumar Arvindkumar Mistry *Chicago, Ill.*
Ashley Richards Otero *Albuquerque, N. Mex.*

Major in Human Development and Family Studies

Olga Miocevic *Belgrade, Serbia*
THESIS: Cortisol and testosterone in association
with history of sexual abuse within incarcerated
adolescent youth

Major in Immunobiology

Kathleen Ann Gibson *Ankeny, Iowa*
THESIS: Emerging swine enteric coronaviruses:
Comparison of pathogenicity and antibody
response

Major in Industrial and Agricultural Technology

Varun Chhabra *Ludhiana, India*

THESIS: Technology adoption in the public distribution system of Chhattisgarh, India: Analysis of factors that facilitate the transition to technology utilization in food distribution

Major in Industrial Engineering

Sarat Sivaprasad *Thiruvananthapuram, India*

THESIS: What does decision making with intervals really assume? The relationship between the Hurwicz decision rule and prescriptive decision analysis

†† Jaipravin Vijayarangan *Cuddalore, India*

Lei Yao *Hangzhou, China*

THESIS: A Resource Allocation Model for Deep Uncertainty (RAM-DU), with application to the Deepwater Horizon Oil

Major in Information Assurance

Waylon Dustin Scheller *Corona, Calif.*

THESIS: Detecting drones using machine learning

Major in Information Systems

Swatie Bansal *Mumbai, India*

Riheng Cao *Shijiazhuang, China*

Deepti Chevvuri *Hyderabad, India*

Prerna Choudhury *Berhampur, India*

Janice D'Souza *Thane, India*

Akshay Dilip Dighe *Mumbai, India*

Nitin Janagam *Hyderabad, India*

Aneesh Kumar *Gurgaon, India*

Rachna Kumar *Noida, India*

Kunal Mehta *Indore, India*

Sri Latha Narayanabhatla *Hyderabad, India*

Ajay Ramesh Sangle *Nashik, India*

Siddhartha Seelam Venkata *Nellore, India*

Mahalakshmi Senthilarumugam Veilukandammal *Ames, Iowa*

THESIS: Big data and Parkinson's: Exploration, analyses, data challenges and visualization

Suhao Zhou *Chengdu, China*

Major in Inorganic Chemistry

Bosky L. Parikh *Naperville, Ill.*

THESIS: Synthesis, characterization and catalytic studies of N-doped ordered mesoporous carbons and functionalized periodic mesoporous organosilicas

Major in Interdisciplinary Graduate Studies

Brandon Skylar Klinedinst *Ames, Iowa*

THESIS: Modeling of biological data using longitudinal intraindividual means integrated with first and second power time-derivatives

Major in Journalism and Mass Communication

Katherine Anne Moscoso *Milford, Del.*

Major in Materials Science and Engineering

Joel Cutinho *Mumbai, India*

THESIS: Tuning surface texture of liquid metal particles by exploiting material metastability

Charles Frederick Czahor *Bayville, N.J.*

THESIS: Aluminum/calcium deformation metal-metal composites after conversion to Al₂Ca intermetallic reinforcement

Chamila Chandima De Silva *Ames, Iowa*

THESIS: Principal component analysis (PCA) as a statistical tool for identifying key indicators of nuclear power plant cable insulation degradation

Peter Anthony Enz *St Louis Park, Minn.*

THESIS: A system for the ammonolysis of oxy-sulfide glasses

Brian W. Martin *Lynbrook, N.Y.*

THESIS: Development of a novel, bicombinatorial approach to alloy development, and application to rapid screening of creep resistant titanium alloys

Pratyasha Mohapatra *Cuttack Odisha, India*

THESIS: Building carbon-free colloidal nanocrystal assemblies with plasma processing

Prathamesh Shivakumar Patil *Kolhapur, India*

THESIS: Repairing casting defects by high pressure cold spraying method

Major in Mathematics

Robert Abraham Perry *Olympia, Wash.*

Major in Meat Science

†† Amanda Carol Outhouse *Defiance, Iowa*

THESIS: Effect of a dual enteric and respiratory pathogen challenge on swine growth efficiency, carcass composition, and pork quality

Major in Mechanical Engineering

Yasaman Esfandiari *Ames, Iowa*

Yiwei Gao *Ames, Iowa*

THESIS: Biorefinery lignin as filler material in polylactic acid composite

Sambuddha Ghosal *Kolkata, India*

THESIS: Engineering analytics through explainable deep learning

Yifei Li *Dalian, China*

THESIS: Ensemble bias-correction based state of charge estimation of lithium-ion batteries

Oswaldo Sanchez *Sioux City, Iowa*

THESIS: Characterizing effects of defect induction on thermal transport and structural rippling under uniaxial strain of phosphorene through classical molecular dynamics computations

Major in Meteorology

Sarah Lynn Fingerle *Springboro, Ohio*

THESIS: A study of the inter-annual variation of the onset of the North American Monsoon

Major in Microbiology

James Scott Carlson *Omaha, Neb.*

Cassandra J. Wattenburger *Kennewick, Wash.*

THESIS: The root-associated microbiome and agricultural nitrogen use efficiency

Major in Nuclear Physics

Nels Jacob Hotvedt *Lawrence, Kans.*

THESIS: Spin polarization of charmonium ground state through lepton decay

Major in Nutritional Sciences

Amanda Bries *Ames, Iowa*

THESIS: Iron absorption from a novel iron-enriched fungal fortificant in young women

Major in Physics

Travis R. Yeager

Wausau, Wis.

Major in Plant Breeding

Ze Tian Fang *San Francisco, Calif.*

THESIS: Genome wide association study of seed and seedling root traits in sunflower

Sarah Elizabeth Jones *College Station, Tex.*

THESIS: Identification of spectral disease signatures and resistant QTL for charcoal rot infection in soybean

Major in Plant Pathology

Daniel Allan Sjarpe *Lanesboro, Minn.*

THESIS: Effect of seed treatments and soybean cultivars on root rot caused by *Fusarium virguliforme*

Major in Seed Technology and Business

Luma Ayyad Abdelshahid *Salinas, Calif.*

Candice Anderson *St Petersburg, Fla.*

Jason Lee Beech *Cedar Rapids, Iowa*

Uyen Phuong Cao Chu *Urbandale, Iowa*

Japheth John Franklin *Eau Claire, Wis.*

Cristobal M. Gonzalez *Jewell, Iowa*

Jason William Knoche *Mililani, Hawaii*

Ryan Jeffrey Meisgeier *Waverly, Iowa*

Major in Sociology

Millicent Alexa Grant *Atlanta, Ga.*

Hongming Qiao *Nanjing, China*

THESIS: Seeking meaning: Overseas Chinese students' conversion to christianity

Major in Statistics

Benjamin Buzzee *Bridgewater, Mass.*

Kiegan Erin Rice *Glen Ellyn, Ill.*

Xiangmei Zhang *Tianjin, China*

Major in Veterinary Preventive Medicine

Yuly Alexandra Henao Diaz *Ciudad Obregon, Mexico*

THESIS: Improvement of swine oral fluid specimens for antibody-based diagnostics

Jordan Bjustrom Kraft *Clarksville, Iowa*

THESIS: Field studies in porcine epidemic diarrhea virus (PEDV) surveillance and control

Major in Wildlife Ecology

Grace Vaziri *Saugus, Calif.*

THESIS: Testing two drivers of the acute phase immune response in songbirds

Multiple Curricula and Majors

Poorvi Maria Theresa Joebert *Chennai, India*

MAJORS: Computer Science and Human Computer Interaction

Yatong Zeng *Yinchuan, China*

MAJORS: Civil Engineering (Environmental Engineering) and Agricultural and Biosystems Engineering

Adam Robert Kohl *Slinger, Wis.*

MAJORS: Mechanical Engineering and Human Computer Interaction

THESIS: Visualizing engineering design data using a modified two-level self-organizing map clustering approach

THESIS: Efficacy of a trickling system for ammonia, particulate matter, and odor removal from livestock production buildings



Fall 2017

Undergraduate
Commencement Ceremony

UNDERGRADUATE COMMENCEMENT PROGRAM

1:30 p.m., Saturday, December 16, 2017, 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

Kevin Cooney
retired broadcast journalist

Musical Interlude

Without a Song Youmans, Rose & Eliscu
arr. by Michael Golemo

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 Jonathan A. Wickert, Provost

College of Design candidates recognized by Dean Luis Rico-Gutierrez

Ivy College of Business candidates recognized by Dean David Spalding

College of Human Sciences candidates recognized by Dean Laura Dunn Jolly

College of Agriculture and Life Sciences candidates recognized by Interim Dean Joe Colletti

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

College of Engineering candidates recognized by Dean Sarah Rajala

The Class of 2017 and the Alumni Association

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

Closing Remarks

President Wendy Wintersteen

The Bells of Iowa State

Refer to the back cover for the lyrics and story of *The Bells of Iowa State*.

James C. Wilson
arr. by Michael Golemo
Braeden Irvine, Vocalist

Recessional

La Mourisque..... 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
Kevin Cooney, Commencement Speaker
Nancy Boettger, Board of Regents, State of Iowa
Nancy Dunkel, Board of Regents, State of Iowa
Jonathan A. Wickert, Senior Vice President and Provost
Martino Harmon, Senior Vice President for Student Affairs
Sarah Nusser, Vice President for Research
Michael R. Crum, Vice President for Economic Development and Business Engagement
Reginald Stewart, Vice President for Diversity and Inclusion
John Lawrence, Interim Vice President for Extension and Outreach
Dawn Bratsch-Prince, Associate Provost for Faculty
Ann Marie VanDerZanden, Associate Provost for Academic Programs
Laura Doering, Associate Vice President for Enrollment Management and Student Success
Jeffery W. Johnson, Lora and Russ Talbot Endowed President; and CEO of the Iowa State University Alumni Association
Simon Estes, F. Wendell Miller Distinguished Artist in Residence; and Commencement Vocalist
Timothy A. Day, Professor of Biomedical Sciences; and Faculty Senate President

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
Sarah Rajala, James and Katherine Melsa Dean of the College of Engineering; and Professor of Electrical and Computer Engineering
David P. Spalding, David and Ellen Raisbeck Endowed Dean of the 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
Joe P. Colletti, Interim Dean of the College of Agriculture and Life Sciences; Associate Director of the Iowa Agriculture and Home Economics Experiment Station; and Professor of Natural Resource Ecology and Management
William R. Graves, Dean of the Graduate College; and Professor of Horticulture
Patrick G. Halbur, Interim Dean of the College of Veterinary Medicine; and Professor of Veterinary Diagnostic and Production Animal Medicine
Curtis T. Brundy, Associate University Librarian for Scholarly Communication and Collections
Jennifer J. Suchan, Interim University Registrar

Faculty Representatives

Rana Biswas, Physics and Astronomy
Christina L. Bloebaum, Aerospace Engineering ✧✧
Leana Bouffard, Sociology
Larry Brown, Management
Steve Butler, Mathematics ✧✧
Lee Cagley, Interior Design
Beth E. Caissie, Geological and Atmospheric Sciences
Bernard J. Canniffe, Graphic Design
Baoyu Chen, Biochemistry, Biophysics, and Molecular Biology
Rui Chen, Supply Chain and Information Systems
Simon Cordery, History
Susan E. Cross, Psychology
John Cunnally, Art and Visual Culture ✧
Scott B. Curtis, Naval Science
Frederick H. Dark, Finance ✧✧

LTC Ethan P. Dial, Military Science (Army Reserve Officers Training Corps)
Peter McNeil Evans, Industrial Design
Heimir Geirsson, Philosophy and Religious Studies
Megan Gilligan, Human Development and Family Studies
Pamela J. Holt, English
Robert L. Howell, Marketing
Jeffery K. Iles, Horticulture
Shan Jiang, Materials Science and Engineering
David C. Jiles, Electrical and Computer Engineering ‡
Kendall R. Lamkey, Agronomy
Linda S. Lind, School of Education
Ruxandra M. Looft, World Languages and Cultures
Robyn R. Lutz, Computer Science
Ruth S. MacDonald, Food Science and Human Nutrition

Philip E. Martin, Kinesiology
 William E. McTernan, Air Force Aerospace Studies
 Steven K. Mickelson, Agricultural and Biosystems
 Engineering ✧✧
 Jo Min, Industrial and Manufacturing Systems
 Engineering
 Max Morris, Statistics
 Kelly Lynn G. Odenweller, Psychology
 Francis Owusu, Community and Regional Planning
 Nick T. Peters, Plant Pathology and Microbiology
 Sara Pistolessi, Chemistry
 Paola G. Pittoni, Mechanical Engineering
 Jo A Powell-Coffman, Genetics, Development and Cell
 Biology
 Angela M. Powers, Greenlee School of Journalism and
 Communication

Michael S. Retallick, Agricultural Education and Studies
 Carl Anthony Rogers, Landscape Architecture
 Joshua L. Rosenbloom, Economics
 Mack Shelley, Political Science ††
 Christina L. Svec, Music and Theatre
 Jean-Philippe Tessonier, Chemical and Biological
 Engineering
 Janette R. Thompson, Natural Resource Ecology and
 Management ☞
 Chin-Hsun Tsai, Apparel, Events, and Hospitality
 Management
 Robert S. Wallace, Ecology, Evolution, and Organismal
 Biology ✧✧
 Suning Zhang, Accounting

Faculty Marshals

Robert S. Wallace, Associate Professor of Ecology,
 Evolution, and Organismal Biology, College of
 Liberal Arts and Sciences ✧✧
 C. Lee Burras, Professor of Agronomy, College of
 Agriculture and Life Sciences ✧
 John Cunnally, Associate Professor of Art and Visual
 Culture, College of Design ✧
 Frederick H. Dark, Associate Professor and Chair of
 Finance, Ivy College of Business ✧
 Veronica J. Dark, Professor of Psychology, College of
 Liberal Arts and Sciences ✧
 Tim R. Derrick, Professor of Kinesiology, College of
 Human Sciences ✧

Michael Martin, Associate Professor of Landscape
 Architecture, College of Design ✧
 Gordon J. Miller, University Professor of Chemistry,
 College of Liberal Arts and Sciences ††
 Donna Niday, Professor of Physics and Astronomy, College
 of Liberal Arts and Sciences
 Frank E. Peters, Associate Professor of Industrial and
 Manufacturing Systems Engineering, College of
 Engineering ✧
 Janette R. Thompson, Professor of Natural Resource
 Ecology and Management, College of Agriculture
 and Life Sciences ☞

Announcer and Reader of Names

Hollis Monroe

Steve Mickelson ✧✧

Musicians

| | | | |
|------------------|--|-----------------|---------------------|
| CONDUCTOR | Michael Golemo, Director of Bands | | |
| VOCALIST | Simon Estes, F. Wendell Miller Distinguished Artist in Residence | | |
| STUDENT VOCALIST | Braeden Irvine* | | |
| TRUMPET | TUBA | EUPHONIUM | TROMBONE |
| David Lass | Alec Garringer | Peter Bekkerus | Alejandro Buentello |
| Matthew Lowe | Corey Hatfield | Jared Lancaster | Lily Dunlop |
| Matthew Polson | | | Kyle Kain |
| Paige Sorensen | | | Ross Thedens |
| PJ VanDerWeide | PERCUSSION | HORN | |
| Caleb Webb | Collin Bell | Kristy Carter | |
| Lucas Yoakam | Emma Davis | Rachel Humeston | |
| | Josh Grant | Nadia Somers | |

* Graduating Student

† Distinguished Professor

†† University Professor

☞ Morrill Professor

✧ Endowed Chair

✧✧ Endowed Professorship

✧ Chief Faculty Marshal

◇ Senior Faculty Marshal

UNDERGRADUATE COMMENCEMENT SPEAKER

Kevin Cooney

Kevin Cooney is a retired broadcast journalist who earned distinction as the longest-serving news anchor in Des Moines television history. He is



a 1974 graduate of Iowa State University with a bachelor's of science degree in journalism and mass communication

Cooney grew up in Des Moines, Iowa, in a family of journalists. His father, Jim, was a reporter and city editor for the *Des Moines Tribune*. His mother, Patrica, was the first female copy editor for

the *Register and Tribune* and a feature writer for the *Des Moines Register*.

Cooney studied under Jack Shelley, professor of journalism at Iowa State, in the early 1970s and spent most of his professional career with KCCI 8 News in Des Moines. During his early years as a reporter, he authored many stories under the "Kevin Cooney Covers Iowa" franchise.

After a short stint as a reporter/anchor in San Jose, California, Kevin and wife, Mollie, (ISU, BS JLMC '75) returned to Des Moines and KCCI in 1982 where Kevin anchored the evening news broadcasts for 33 years before his retirement in 2015. He signed off for the final time following the KCCI 8 News at 10 broadcast on November 24, 2015.

During Cooney's tenure, KCCI 8 News was the No. 1 rated news station in Iowa and the No. 1 rated CBS affiliate in the nation.

Among Cooney's most notable stories include his

live reports from Germany in 1991 on the release of hostages Terry Anderson (an Iowa State classmate and KRNT colleague) and Tom Sutherland (Iowa State alumnus) from captivity in Lebanon – a first in Iowa broadcast history.

He was the backbone of KCCI's marathon live coverage during the historic floods of '93 that left Des Moines without water for two weeks

Cooney also covered the inaugurations of Presidents Bill Clinton and George W. Bush. He interviewed President Clinton in the White House just hours after the 1995 Oklahoma City federal building bombing and interviewed President Barack Obama twice.

During his career, Cooney mentored countless journalism interns, many from the Greenlee School; he served on the Greenlee Advisory Council; and remains an outspoken proponent for ethical and responsible journalism.

Cooney is the 1994 recipient of the James Schwartz Award from Iowa State University for distinguished service to journalism; the 1999 Jack Shelley Award for his role as a leading broadcast journalist in Iowa; the 2014 Silver Circle, a lifetime achievement award from the Upper Midwest Chapter of the National Academy of Television Arts and Sciences; and he was named the 2015 Iowa Broadcasters Association Broadcaster of the Year. He's also earned numerous Iowa Broadcast News Association, Associated Press, Emmy, and Edward R. Murrow awards.

Now retired, Kevin and Mollie enjoy time with their family which includes three grown children and four grandchildren.

UNDERGRADUATE COMMENCEMENT VOCALIST & F. WENDELL MILLER DISTINGUISHED ARTIST IN RESIDENCE

Simon Estes

Simon Estes is an internationally acclaimed bass-baritone who has performed in the world's major opera houses and in special performances



for U.S. presidents and international dignitaries such as Boris Yeltsin, Yassar Arafat, Yitzhak Rabin, Nelson Mandela, and Archbishop Desmond Tutu. Since 2000, he has been a faculty member at Iowa State University, serving as the F. Wendell Miller Distinguished Artist-in-Residence with

the Department of Music and Theatre, sharing his incredible talents and musical knowledge with students and at numerous activities and events.

Estes rose from humble beginnings in Centerville, Iowa, the son of a coal miner and grandson of a slave, to become one of the world's most accomplished opera singers, paving the way for other African Americans in the classical world. He transferred from Centerville Junior College to the University of Iowa in 1957 and was there until he was accepted in the Juilliard School of Music in 1963. Estes has honorary doctorates from numerous colleges and universities, including one from Iowa State University.

In 1965 Estes made his operatic debut in *Aida* at the Deutsche Opera in Berlin. Among his more than

100 lead operatic roles have been the title role in *The Flying Dutchman* at Bayreuth, being the first male African American to sing a major role on stage there; the role of Porgy in the Metropolitan Opera's first production of Gershwin's *Porgy and Bess*; and the role of Amonasro in *Aida* with Leontyne Price as *Aida* in her "farewell performance" at the Met.

Estes is also internationally known for his humanitarian efforts for children. He established the Simon Estes Educational Foundation, which has awarded more than three million dollars in merit-based college scholarships, and the Simon Estes International Foundation for Children, which provides support for children's health and educational needs. In 2006, he led a group of six Iowa State music faculty members to South Africa to bring music instruction to the students of the Estes school in the Cape Town area.

He has performed numerous benefit concerts to help combat HIV/AIDS and eliminate malaria in Africa. Estes was recently recognized by the United Nations Foundation for personally raising more than half a million dollars for the "Nothing But Nets" campaign, which provides funds for education and bed nets to protect people from the spread of malaria throughout the world.

Estes has taught at the Juilliard School of Music, Harvard University and Boston University. Among his many awards are the Distinguished Iowa Citizen Award, the Iowan Award, and the prestigious Alumni Award of Iowa State University.

STUDENT MARSHALS

COLLEGE OF AGRICULTURE AND LIFE SCIENCES

Ana Del Pilar Collazo Martínez *Hometown: Guaynabo, Puerto Rico*
Majors: Genetics and Nutritional Science
Magna Cum Laude



Ana del Pilar Collazo Martinez is graduating magna cum laude with a double major in genetics and nutritional science.

While at Iowa State University, Ana co-founded Advocates for Alzheimer's, a campus student organization.

She also conducted research at Iowa State and at the University of Colorado on Alzheimer's diseases and the immune system, delivered multiple presentations on her research at scientific conferences, and was a member of the President's Leadership Class.

Ana will enter a post-baccalaureate research program, and plans to pursue a doctorate and a medical degree through a dual degree program.

Escort: Wendy White, Associate Professor of Food Science and Human Nutrition

IVY COLLEGE OF BUSINESS

Kathryn E. Ahlers *Hometown: Hartley, Iowa*
Major: Accounting; Minor: German
Summa Cum Laude



Kathryn Ahlers is graduating summa cum laude with a major in accounting and a minor in German. She was a Gerdin Citizenship Award recipient and member of Beta Alpha Psi.

During her time at Iowa State, Kathryn served on the Student Alumni Leadership Council, participated in the University Honors Program, played the flute in Concert Band, and was a pitcher for the club softball team. She completed two internships; completed two study abroad programs, both in Germany; and worked for the Iowa State Athletics Department as an academic mentor and tutor for student athletes.

Kathryn will start the Master of Accounting program in January and will take the CPA exam, after which she will begin a full-time job as an auditor for Ernst & Young in Des Moines.

Escort: Kayla Sander, Senior Lecturer in Accounting

COLLEGE OF DESIGN

Claire A. Smith *Hometown: Belmond, Iowa*
Major: Integrated Studio Arts
Summa Cum Laude



Claire Smith is graduating summa cum laude with a major in integrated studio arts. She was on the Dean's List and in the top two percent of her class every semester at Iowa State University.

She received numerous academic and design scholarships and awards at ISU, including the Janice Peterson Anderson Excellence Award and the ISU Scholarship for Student Achievement. Her work has been accepted into several exhibitions, and she won second place in the 2017 Biorenewables Art Competition at ISU.

Claire studied abroad in Italy, completed internships with the Iowa State Memorial Union Fine Arts Program and the Fort Dodge Messenger, and worked at the Memorial Union Workspace, and as a photographer for the ISU Department of Music. She was also involved in many student clubs, honor societies, and campus organizations.

Claire will continue at ISU to complete a second degree in Journalism and Mass Communication, and plans to work as a photojournalist in the magazine industry.

Escort: Joe Muench, Professor of Art and Visual Culture

STUDENT MARSHALS

COLLEGE OF ENGINEERING

Jakob R. Croghan

Hometown: Manilla, Iowa

Major: Industrial Engineering

Magna Cum Laude



Jakob Croghan is graduating magna cum laude with a major in industrial engineering, and was on the Dean's List every semester while at Iowa State University. He was also a member of Tau Beta Pi.

During his time at Iowa State, Jakob was active in many organizations, including the ISU Student Government. He served as president of his fraternity, volunteered with First Lego League, and worked as a departmental teaching assistant.

He also co-authored and presented a peer-reviewed paper at the Annual Conference for Institute of Industrial and Systems Engineers.

Jakob spent a semester studying in Ireland, and completed internships with Altec Industries and Textron Aviation.

Jakob is pursuing a Master of Science in Industrial Engineering at Iowa State University.
Escort: Jo Min, Associate Professor of Industrial & Manufacturing Systems Engineering

COLLEGE OF HUMAN SCIENCES

Rebecca A. Ray

Hometown: Weslaco, Texas

Major: Financial Counseling and Planning

Summa Cum Laude



Rebecca Ray is graduating summa cum laude with a major in financial counseling and planning, and a specialization in family financial studies.

A Rosenfeld Undergraduate Research Intern, Rebecca used her research focus to guide her internship at Affordable Homes of South Texas, helping to redesign a personal financial fitness course.

Throughout her time at Iowa State, Rebecca demonstrated a commitment to service. She offered guidance in the Writing and Media Center as a communication consultant and in the MINDS Learning Community as a peer mentor, shared insights as a College of Human Sciences Dean's Student Advisory Council member, and co-led the Human Development and Family Studies Club as vice president.

Rebecca plans to attend graduate school.

Escort: Clinton Gudmunson, Associate Professor of Human Development and Family Studies

COLLEGE OF LIBERAL ARTS AND SCIENCES

Kelsey A. Hrubes

Hometown: Cedar Rapids, Iowa

Major: Computer Science; Minor: German

Magna Cum Laude



Kelsey is a Collegian Leadership and Achievement Award Finalist, member of a first-place team for the Business Today International Conference Case Study Competition, a GoogleJump and HackPrinceton competition winner, and has been featured in *Forbes Magazine*.

While at Iowa State, Kelsey completed internships at Google, Microsoft, Workiva and Rockwell Collins.

On campus, Kelsey has been involved with WiSE as a workshop presenter and conference keynote speaker, served as an undergraduate teaching assistant for five semesters, and advised students based on her experiences studying abroad in Germany.

She also founded the nonprofit Iowa Girls Code, a computer science education and coding program for Iowa high school girls.

Kelsey has accepted a position as a software engineer at Microsoft.

Escort: Ruxandra Looft, Lecturer and Academic Adviser in World Languages and Cultures

CANDIDATES FOR DEGREES FROM THE COLLEGE OF AGRICULTURE AND LIFE SCIENCES

BACHELOR OF SCIENCE

Curriculum in Agricultural and Life Sciences Education

| | | | |
|------------------------|-----------------|----------------------------|-----------------|
| Katelyn M. Anderson | Woolstock, Iowa | Taylor Renee Veldhuizen | Runnells, Iowa |
| Jacob Russell Heinsius | Olin, Iowa | * Allison Rosemary Vincent | Polk City, Iowa |
| Cassi Lavon Montandon | Grandview, Iowa | Brenna Ann Westergaard | Adair, Iowa |
| Allison Louise Rossman | Hartley, Iowa | Taylor Wilkins | Brooker, Fla. |

Curriculum in Agricultural Biochemistry

Katherine M. Johnson *Mendota Heights, Minn.*

Curriculum in Agricultural Business

| | | | |
|--------------------------|-----------------------|---------------------------|-----------------------|
| Jaehn Ahn | Seoul, South Korea | Nicholas David Mangskau | Ellendale, Minn. |
| Allison Rose Bastian | New Ulm, Minn. | Trenton Scott Maschmann | Victor, Iowa |
| Nathan C. Braun | Eagan, Minn. | Kara Marie Nelson | West Des Moines, Iowa |
| Brody James Brownlee | St. Charles, Iowa | Karen Taylor Rice | Creston, Iowa |
| Gary Stephen Buchanan | Plain, Wis. | Nicholas Joseph Riegel | Louisville, Colo. |
| *** Nate M. Christenson | Granger, Iowa | Samantha Jo Rogers | Osage, Iowa |
| Cortney Ann Cooper | Mondamin, Iowa | Mitchell Ambrose Ryan | Ryan, Iowa |
| * Kyle James Dieter | Ottawa, Ill. | Wyatt R. Saeugling | Atlantic, Iowa |
| Carson Jay Dreyer | West Des Moines, Iowa | Alexander Michael Schmitz | Fairbank, Iowa |
| ** Becca Jo Dunahoo | Zearing, Iowa | Ryan Schuman | Crooks, S. Dak. |
| Chad Dean Frazer | Conrad, Iowa | Riley Dean Steinberg | St. Ansgar, Iowa |
| * Tanner Michael Greiner | Reinbeck, Iowa | Maxwell Allan Thompson | Ames, Iowa |
| Nathan James Gudenkauf | Masonville, Iowa | Joseph Robert Ver Steegh | Oskaloosa, Iowa |
| Nolan Albert Hefty | Traer, Iowa | Holly Ann Vittetoe | Washington, Iowa |
| Bradley J. Lampe | Riverside, Iowa | Brock R. Woessner | Sterling, Ill. |
| Olivia DeVere Logue | Johnsonville, N.Y. | Madison Taylor Wood | Rudd, Iowa |

Curriculum in Agricultural Studies

| | | | |
|--------------------------|--------------------|-------------------------|-------------------------|
| Britney Faye Adam | Lathrop, Mo. | Kayla Marie Hamline | Woodward, Iowa |
| Jacob Delaney Banowetz | Bellevue, Iowa | Logan Andrew Hassebrock | Ellsworth, Iowa |
| Jesse Wayne Banowetz | Bellevue, Iowa | Travis Alan Henningsen | Oakland, Iowa |
| Seth Michael Berg | Blairsburg, Iowa | Jordan Dean Ihle | Polk City, Iowa |
| Kirk John Berry | Brooklyn, Iowa | Ty James Jager | Oskaloosa, Iowa |
| Dillon Clark Blythe | Williamsburg, Iowa | Mitchel Kernon Jilovec | Mount Vernon, Iowa |
| Samuel Benjamin Boyce | Shelby, Ohio | Alan P. Johnson | Rhodes, Iowa |
| Jordan Brand | Indianola, Iowa | Riley Dane Krichau | Pleasantville, Iowa |
| William E. Breuer | Burlington, Iowa | Zachary J. Merfeld | Clear Lake, Iowa |
| Joel Phillip Brinkman | Rolfe, Iowa | Matthew Canavan Prill | Pleasantville, Iowa |
| ** Paige Nyomi Cannella | Johnston, Iowa | Andrew Ross Richter | Paullina, Iowa |
| Coyce Arnold Carlson | Stratford, Iowa | Tyler John Rue | Ridgeway, Iowa |
| Michaela Lavita Chambers | Marble Rock, Iowa | Jack William Spreen | Williams, Ind. |
| Jacob T. Coyne | Sherrard, Ill. | Shelly Linn Stewart | Columbus Junction, Iowa |
| Alaina Marie Despenas | Johnston, Iowa | William A. Tubbs | Delmar, Iowa |
| Josh James Dittmer | Columbia, Iowa | Megan Christine Tusek | Yates City, Ill. |
| Brooke J. Eckstein | Neenah, Wis. | Austyn A. Vogel | Hedrick, Iowa |
| Tyler Ryan Guy | Colo, Iowa | Seth Michael Wiley | Earlville, Ill. |
| Taylor Merritt Hagen | Homestead, Iowa | | |

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Curriculum in Agricultural Systems Technology

| | | | |
|------------------------|----------------------|-----------------------|--------------------|
| Blake T. Allender | Mount Pleasant, Iowa | Patrick Philip Sogard | Hugo, Minn. |
| Joshua Timothy Butcher | Martensdale, Iowa | Ashton Isaac Thompson | Hospers, Iowa |
| Amanda Jade Marlin | Dallas, Iowa | Koy A. Vander Leest | Prairie City, Iowa |
| Gabriel James Reyes | Union, Iowa | Andrew Michael Zarr | Holstein, Iowa |
| Zachary Carl Ross | Lee's Summit, Mo. | | |

Curriculum in Agriculture and Society

| | |
|------------------|----------------|
| Asher P. Horcher | Wheeling, Ill. |
|------------------|----------------|

Curriculum in Agronomy

| | | | |
|-----------------------------|--------------------|------------------------------|----------------------|
| Jeffrey Cole Acton | Danville, Ill. | Evan M. Medvec | Saline, Mich. |
| *** Chelsea Nicole Anderson | Gowrie, Iowa | Jun Ben Ng | Malaysia |
| Anna Elizabeth Baldwin | Mingo, Iowa | Abigayle E. Nowakowski | La Salle, Ill. |
| Brogan Lea Bulechek | Moulton, Iowa | Megan Lee Pippert | Hartley, Iowa |
| Jacob Richard Burr | Ankeny, Iowa | *** Elizabeth Rose Schwab | Levittown, Pa. |
| Casey E. Campbell | Franklin, Ind. | Stephanie Jo Shuler | Corning, Iowa |
| Jordan R. Cooper | Conrad, Iowa | * Ty J. Stender | Washington, Iowa |
| ** Allison Christine Eibey | Manchester, Iowa | ***† Sarah Virginia Striegel | What Cheer, Iowa |
| Tianna Elaine Griffin | Davenport, Iowa | Ruth Ann Sutton | Decorah, Iowa |
| Allison Mae Heister | Maquoketa, Iowa | Derek Wesley Van Kooten | Leighton, Iowa |
| David Michael Tepper Hickok | Ames, Iowa | Bryce Wade Warnke | Fredericksburg, Iowa |
| Brendan James Juarez | Glenwood, Iowa | Blake Douglas Warren | Garwin, Iowa |
| Hannah Marie Lavens | Milan, Ill. | Andrew Michael Wolf | Minnetonka, Minn. |
| Ryan David Meaney | Cedar Rapids, Iowa | | |

Curriculum in Animal Ecology

| | | | |
|------------------------------------|-----------------------|-------------------------|---------------------|
| Lindsay Jean Billington | Asbury, Iowa | Jacob Loyde Miller | Belle Plaine, Iowa |
| Haley Alyssa Carr | Sioux City, Iowa | Amanda Marie Phillips | North English, Iowa |
| Courtne Lucile Carver | Excelsior, Minn. | Cory J. Rhinehart | Center Point, Iowa |
| Erin M. Fish | Cedar Rapids, Iowa | Miranda Kay Robertson | Ottumwa, Iowa |
| Dominick James Foley | LeMars, Iowa | ** Brittany Noelle Roy | Geneva, Ill. |
| * Steven Thadeus Siegfried Follmer | Kissimmee, Fla. | Ashley Nicole Scales | Peoria, Ill. |
| Stephen John Grausgruber | Alexandria Bay, N.Y. | Kylee S. Schooley | Ames, Iowa |
| Zach R. Hannusch | West Des Moines, Iowa | Dawson Parker Schott | Cedar Rapids, Iowa |
| *** Christina Kae Hansen | Independence, Iowa | Morgan Jaslen Scott | Malvern, Iowa |
| Tyler R. Johnson | Ankeny, Iowa | Brandon James Silker | Urbana, Iowa |
| Paige Noel Kellogg | Sioux City, Iowa | Preston Thomas Sperial | Marion, Iowa |
| Amanda Adeline Kindred | Cedar Rapids, Iowa | Summer Ledele Thorsten | Waukon, Iowa |
| Jeana Maria Lambert | Dubuque, Iowa | Tiffany Nichol Williams | Cedar Rapids, Iowa |

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Curriculum in Animal Science

| | | | |
|------------------------------------|---------------------|----------------------------------|-----------------------|
| Adolfo A. Arenas | Sioux City, Iowa | Lindsey R. Mastropietro | Council Bluffs, Iowa |
| Jacob Jordan Baker | Clear Lake, Iowa | Patricia Mendez | Des Moines, Iowa |
| Emily Renee Blodgett | Altoona, Iowa | Aleni Mercado | Isabela, Puerto Rico |
| Heather Ann Burroughs | Muscatine, Iowa | Jonathan Robert Mullen | Deep River, Iowa |
| Jennifer Rose Chapman | Haverhill, Iowa | Brittany Elaine Nicholson | Ellsworth, Iowa |
| Kalee Marie Colbert | Newton, Iowa | ** Tyler Anthony Ohl | Milford, Iowa |
| *** Abigail Nicole Collison | Rockwell City, Iowa | ** Julie Opgenorth | Orange City, Iowa |
| Chase Alan Conis | Story City, Iowa | Carleigh Robin Pittman | Panora, Iowa |
| Alex C. Conover | Holstein, Iowa | ** Angelia Marie Pivonka | Ames, Iowa |
| Amanda Renee Conrad | Solon, Iowa | Stephanie M. Reicks | Cresco, Iowa |
| * Sara Ann Crane | State Center, Iowa | Jema Lakadia Rejniak | Gibsonia, Pa. |
| *** Allison L. Culver | Cedar Rapids, Iowa | Celined Rolon Ramos | Gurabo, Puerto Rico |
| Katherine Lyn Cummings | Cedar Rapids, Iowa | Brienna Elizabeth Ross | Ankeny, Iowa |
| Robyn Jean Emery | Nevada, Iowa | Kelly Nicole Rue | Ridgeway, Iowa |
| * Alexandria Marie Florez | Menifee, Calif. | Nicholas Michael Schiller | Grimes, Iowa |
| * Brianna Lizabeth Gray | East Moline, Ill. | Lydia Marie Schooley | Ames, Iowa |
| Jacob Lee Henderson | West Liberty, Iowa | Brittany Sarah-Marie Smith | Ankeny, Iowa |
| Lee Christian Herr | Amana, Iowa | ** Emily Elizabeth Smith | Winterset, Iowa |
| Emily Elizabeth Hewitt Stauffacher | Clear Lake, Iowa | Kristi Lynn Smith | Princeville, Ill. |
| Samuel Curtis Olson Huntrods | Collins, Iowa | McKenize Dawn Smith | Moravia, Iowa |
| Grant Harrison Jones | Des Moines, Iowa | Tanner Ray Speer | Prole, Iowa |
| * Anthony James Kramer | Marshalltown, Iowa | Alyx Jean Staples | New Providence, Iowa |
| Haleigh Morgan Lamb | Newton, Iowa | Kelli Jo Steinlage | West Union, Iowa |
| Jasmin Landeros | Des Moines, Iowa | Felicia Jean Summers | Ames, Iowa |
| Garrett Ross Livingston | Smicksburg, Pa. | Stephanie L. Swiatkiewicz | Mundelein, Ill. |
| Hannah Rose Lobas | Plainfield, Ill. | Danielle Lynn Tapp | Mediapolis, Iowa |
| Stephanie Lynn Long | Indianola, Iowa | Miguel A. Torres Crespo | Guaynabo, Puerto Rico |
| Mallory Kate Madsen | Muscatine, Iowa | ** Danielle Elizabeth Ann Tucker | Marengo, Ill. |
| | | Jason Riley Wattonville | Maxwell, Iowa |

Curriculum in Biology

| | | | |
|------------------------------|--------------------|--------------------------|----------------------------|
| Valentina Benito-Correa | Minneapolis, Minn. | Joseph Vance Jeffries | Urbandale, Iowa |
| Damien Michael Calvin | Des Moines, Iowa | Jordan Haley Kersey | West Des Moines, Iowa |
| Lauren Chabot Cole | Urbandale, Iowa | *** Hannah M. Kroeger | Long Grove, Iowa |
| Katie Jo Cope | Beaman, Iowa | Stephen William Potter | Naperville, Ill. |
| * Sara Ann Crane | State Center, Iowa | Nicholas James Rohlfes | Bartlett, Ill. |
| Torie Jaclyn Dash | Winfield, Ill. | Amra Softic | Des Moines, Iowa |
| Elizabeth Marie Dellies | Hurst, Tex. | *** Bingqing Song | Suzhou, China |
| Keeley Ann Frahm-Lowe | Des Moines, Iowa | Jordan Elizabeth Volkert | Denison, Iowa |
| German Tyler Guglielmi | Ankeny, Iowa | Shaun Eric Von Muenster | Ankeny, Iowa |
| * Hannah Christine Gustafson | Kiron, Iowa | Kristen Amber Wall | Nevada, Iowa |
| Darcy Anne Hirt | Lake Zurich, Ill. | Kiley Kay Welch | Clive, Iowa |
| Delany Lynn Idleman | Granger, Iowa | Desiree Ann Witt | Desert Hot Springs, Calif. |

Curriculum in Dairy Science

| | | | |
|---------------------------|--------------------|-----------------------|------------------|
| ** Samantha Marie Ehrlich | East Dubuque, Ill. | Brady Daniel Engquist | Cambridge, Minn. |
|---------------------------|--------------------|-----------------------|------------------|

Curriculum in Environmental Science

| | | | |
|----------------------------|-----------------------|---------------------------|--------------------|
| German Tyler Guglielmi | Ankeny, Iowa | Laura Beth Lacquement | Martensdale, Iowa |
| Benjamin S. Holcomb | Cedar Rapids, Iowa | Aaron Joseph Sande | Charles City, Iowa |
| Jordan Haley Kersey | West Des Moines, Iowa | *** Elizabeth Rose Schwab | Levittown, Pa. |
| *** Megan Faye Koppenhafer | Oxford, Iowa | Clayton D. Visek | Central City, Iowa |

Curriculum in Food Science

| | | | |
|---|--|--------------|------------------|
| * Yoon Su Kim Michael Richard Wilson | Daegu, South Korea Crystal Lake, Ill. | **† Minyi Xu | Guangzhou, China |
|---|--|--------------|------------------|

Curriculum in Forestry

| | | | |
|---|--|---|--|
| Nic John Arends Damien Michael Calvin David Evan Everson Jonathan Junior Findlay Kevin Lee Garter Alex David Meyer | Cedar Falls, Iowa Des Moines, Iowa Hiawatha, Iowa Collins, Iowa Bettendorf, Iowa Geneva, Iowa | Jonathon Thomas Moorman * Caroline Jaye Murray Clay Anson Rogers Nathaniel Paul Thompson Jared Lynn Trent | Cedar Rapids, Iowa Greenwich, N.Y. Urbandale, Iowa Woodbine, Iowa Stuart, Iowa |
|---|--|---|--|

Curriculum in Genetics

| | | | |
|---|---|--|--|
| Larsa H. Al Bayati Dominique Ryan Banks ** Ana Del Pilar Collazo Martínez | Waukee, Iowa Joliet, Ill. Guaynabo, Puerto Rico | Kaitlin Marie Higgins Heather Marie Lamoureux Merritt Celeste Polomsky | Ames, Iowa Northville, Mich. Papillion, Neb. |
|---|---|--|--|

Curriculum in Global Resource Systems

| | | | |
|---|---|---|---|
| Katherine Lyn Cummings * Ella Jean Gehrke David Michael Tepper Hickok * Allison Kay Jaeger | Cedar Rapids, Iowa Clive, Iowa Ames, Iowa Lisbon, Iowa | *† Rylee Michelle McDermott McKenzie M. Theisen Colin Steele Weaver | Colesburg, Iowa Le Mars, Iowa Boone, Iowa |
|---|---|---|---|

Curriculum in Horticulture

| | | | |
|--|---|--|---|
| Maria Louise Fox Michael Lee Gray Ethan Edison Kain Amanda Marie Petersen | Newton, Iowa Waterloo, Iowa Prairie City, Iowa Manning, Iowa | Paige Lynne Peterson Hunter James Rogness Ruidong Wang | New Douglas, Ill. Council Bluffs, Iowa Guangzhou, China |
|--|---|--|---|

Curriculum in Industrial Technology

| | | | |
|---|--|--|--|
| Julius Au Weng Lee Andrew James Bishop Alex Jacob Boomershine Collin James Brincks John E. Brolley Arturo Castro William Anthony Contreras * Alexander James DeGaetano Kalie A. Drahos * Daniel James Elliston Craig Steven Foster Jacob Ryan Fyfe Garett Lyle Gardner David Gonzalez Gimenez Joshua Joseph Hansen Enrique W. Hilst Robles | Kuantan, Malaysia Farmington, Minn. Hiawatha, Iowa Mason City, Iowa Waukegan, Ill. Storm Lake, Iowa Des Plaines, Ill. Batavia, Ill. Cedar Rapids, Iowa Omaha, Neb. Des Moines, Iowa Alleman, Iowa Albia, Iowa Naperville, Ill. Fort Dodge, Iowa Clive, Iowa | Ryan Joseph Hitchler Cody Edward Hut Steven Lee Ingersoll Cooper Duane Jensen Ryan John Robert Maclean James William McGurn II Jack Andrew Nelson Miguel Alonso Rangel Spencer Joseph Sharp Terrence John Sterk Sean-Paul A. Stickelman Randy Sugars Joseph C. Weiner Blake Austin Wulf Daniel Roy Yaley | Newton, Iowa Highlands Ranch, Colo. Cedar Falls, Iowa Bettendorf, Iowa Farmington, Minn. Cary, Ill. Indianola, Iowa Muscatine, Iowa Centerville, Iowa Manning, Iowa Orlando, Fla. Fort Madison, Iowa Dubuque, Iowa Naperville, Ill. Mount Pleasant, Iowa |
|---|--|--|--|

Curriculum in Microbiology

| | | | |
|---|---|---|---------------------------------|
| John Michael Baderstadt Hannah Feste | Pleasant Hill, Iowa Sioux City, Iowa | Monica Elaine Morrison Martin Eugene Smalley | Dubuque, Iowa Runnells, Iowa |
|---|---|---|---------------------------------|

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Curriculum in Nutritional Science

** Ana Del Pilar Collazo Martínez
Guaynabo, Puerto Rico

*† Rylee Michelle McDermott
Shang Wu
Colesburg, Iowa
Shenzhen, China

Multiple Curricula and Majors

| | |
|--|---|
| Erica Akofa Agbokou Animal Science and International Agriculture St. Louis, Mo. | Scott Robert Kelsey Agricultural Systems Technology and Industrial Technology Sidney, Neb. |
| Dana Marie Armstrong Animal Ecology and Biology Ottumwa, Iowa | Benjamin Thomas Link Agricultural Systems Technology and Industrial Technology Batavia, Ill. |
| Riley Michel Austin Microbiology and Genetics Ames, Iowa | Robert D. McDonald III Agronomy and Environmental Studies Dubuque, Iowa |
| *** Kyle Bates Agricultural Business and Agronomy and Seed Science Rockton, Ill. | Emily Marie Miller Animal Science and Agriculture and Society Colo, Iowa |
| Thomas Michael Edward Burgart Industrial Technology and Agricultural Systems Technology New Hampton, Iowa | Andrew John Mixdorf Industrial Technology and Agricultural Systems Technology Ankeny, Iowa |
| * Reed Everett Burres Agricultural Business and International Agriculture Humboldt, Iowa | Ezequiel Rene Ramirez Global Resource Systems and Environmental Studies Monmouth, Ill. |
| ** Stefan Samuel Chambers Agricultural Business and Liberal Arts and Sciences: Major in Economics Corwith, Iowa | Sarah Anne Salmon Agronomy and Animal Science Grinnell, Iowa |
| *** Nate M. Christenson Agronomy and Liberal Arts and Sciences: Major in Economics Granger, Iowa | Lauren Irene Sendelbach Agricultural Business and Liberal Arts and Sciences: Major in Economics Henry, Ill. |
| *** Connor Eugene Clayton Agricultural Systems Technology and Industrial Technology Walnut, Iowa | Zachary Edward Spurr Agricultural Systems Technology and Industrial Technology Norwalk, Iowa |
| ** Leah R. Ellensohn Agronomy and Seed Science Le Mars, Iowa | * Kathrine Annette Stender Horticulture and International Studies Asbury, Iowa |
| ** Brady Nicholas Hansen Agricultural Systems Technology and Industrial Technology Alton, Iowa | Austin Robert Thomas Agricultural Systems Technology and Industrial Technology Davenport, Iowa |
| Hyaquino Hyacinthe Industrial Technology and Liberal Arts and Sciences: Major in Economics Chicago, Ill. | * Faye Landess Tunnicliffe Animal Ecology and Biology Hingham, Mass. |
| Katie Nicole Jacobson Environmental Science and Animal Ecology St. Charles, Iowa | ** Nathaniel James Vande Wall Agricultural Business and Liberal Arts and Sciences: Major in Economics Prairie City, Iowa |

CANDIDATES FOR DEGREES FROM THE IVY COLLEGE OF BUSINESS

BACHELOR OF SCIENCE

Major in Accounting

| | | | |
|---------------------------------|-----------------------|--------------------------|----------------------|
| *** Kathryn Elizabeth Ahlers | Hartley, Iowa | Jayun Lee | Jeon-ju, South Korea |
| ** Brittany Lee Baumgartner | Aurora, Ill. | James W. Legge | Garner, Iowa |
| Tyler Steven Brick | Urbandale, Iowa | ** Jason Andrew Maen | Ankeny, Iowa |
| Pedro Alfredo Chavez | Des Moines, Iowa | Alisha Cadence Martin | Red Wing, Minn. |
| ** Liujing Chen | Chengdu, China | Connor Patrick McCadam | York, Pa. |
| Anne E. Cochran | Minneapolis, Minn. | Taran Evan McCusker | Maple Grove, Minn. |
| Anna Maria Dean | West Des Moines, Iowa | Whitney Eugene Nelsen | Ankeny, Iowa |
| Heather Marie Dunn | Urbana, Ill. | ** Anh Thu Huynh Nguyen | Des Moines, Iowa |
| Elizabeth Grace Eager | West Des Moines, Iowa | ** Yuan Ni | Chengdu, China |
| * Samantha Sue Earley | Marshalltown, Iowa | ** Michael S. Rimathe | Madrid, Iowa |
| Whitney Marie Forward | Wyanet, Ill. | Eric J. Schultz | Arlington, Tenn. |
| Chad Dean Frazer | Conrad, Iowa | Ruben Sondjaja | Sydney, Australia |
| Kelsey Lynn Fredregill | Ankeny, Iowa | Megan Mae Suedkamp | Coralville, Iowa |
| Kristen E. Gehring | Mahtomedi, Minn. | Haley L. Toillion | Jewell, Iowa |
| ** Kelsey Kaye Granneman | Ottumwa, Iowa | ** Rachel Marie Tucker | Glenwood, Iowa |
| ***† Emily Jenelle Guisinger | Noblesville, Ind. | Heather Renee Van Ruler | Waukon, Iowa |
| Bridget Ann Haley | Osage, Iowa | Megan Elizabeth Westhoff | Norwalk, Iowa |
| Cambria Viola Margaret Hoffmann | Webster City, Iowa | Andrew N. Whigham | Bettendorf, Iowa |
| Qiuhua Huang | China | * Yujie Wu | Chengdu, China |
| *** Adam Daniel Johanson | Johnston, Iowa | Guanning Xu | Nanjing, China |
| Chezie Ciane Johnson | Grinnell, Iowa | Jingwen Yuan | Chengdu, China |
| | | Jinxing Yuan | Shenzhen, China |

Major in Business Economics

Matthew Messerli Golden Valley, Minn.

Major in Finance

| | | | |
|---------------------------|---------------------|-----------------------------------|----------------------------|
| Marco Andrey Acevedo Jr. | Norristown, Pa. | Samuel Wen Loong Lee | Perai, Malaysia |
| Kyle Bennett Bavender | Chaska, Minn. | ** Peiwei Li | Chengdu, China |
| *** Jared Michael Brown | Bettendorf, Iowa | ***† Russell Ling | Ankeny, Iowa |
| Michael Josef Brown Jr. | Colfax, Iowa | Rui Ma | Wuxi, China |
| Jackson Lee Clouse | Moravia, Iowa | Tianlun Ma | Nanjing, China |
| ** Hannah M. Draper | Ames, Iowa | Jacob Michael Maass | Griswold, Iowa |
| Brody Eischeid | Manson, Iowa | Taran Evan McCusker | Maple Grove, Minn. |
| Daniel Lewis Ervin | Vinton, Iowa | Daniel Charles Megel | Grinnell, Iowa |
| Samuel Asa Esch | St. Paul, Minn. | Alison Ceann Metzger | Grayslake, Ill. |
| Christopher T. Gardner | Des Moines, Iowa | Josh Robert Molitor | Wayne, Ill. |
| Colin Richard Halfpap | Mason City, Iowa | Jacob David Nitz | West Des Moines, Iowa |
| Timothy J. Hester Jr. | Franklin Park, Ill. | Nicholas Dominick Parisi | Elk Grove Village, Ill. |
| Adam Jordan Hodgson | Blaine, Minn. | Jacob Robert Peers | West Des Moines, Iowa |
| JaeSeung Hwang | Seoul, South Korea | Si Rao | Sioux City, Iowa |
| Matthew Kristoffer Janes | Excelsior, Minn. | * David Joseph Todd Salmon | Plymouth, Minn. |
| Xunjie Jiang | Chengdu, China | Harouna Wendpanga Yann C. Sankara | Cedar Rapids, Iowa |
| Seunghwan Jo | Seoul, South Korea | Jordan Jo Schaben | Defiance, Iowa |
| * Thomas Daniel Jude | Aurora, Ill. | David Maxwell Sheets | Moulton, Iowa |
| Arthur Phongam Khan | Waukon, Iowa | Wenzhuo Shi | Fenghua, China |
| Jacob Kenneth Kluesner | Edgewood, Iowa | Patrick Roger Short | Inver Grove Heights, Minn. |
| Christopher M. Koener Jr. | Carol Stream, Ill. | | |

* Cum Laude

** Magna Cum Laude

*** Summa Cum Laude

† Honors Program

* Duke Zhi Xiang Tan Batu Pahat, Malaysia
 Jia Luen Tan Kuala Lumpur, Malaysia
 Haley L. Toillion Jewell, Iowa
 Tyler Lynn Tweeten Forest City, Iowa
 Joshua David Vadnais Woodbury, Minn.
 Nicholas James Verhuel Johnston, Iowa
 Randi Jo Visser Pella, Iowa

*† Junjie Wan Maanshan, China
 Shuyuan Wang Zhengzhou, China
 Yuling Wang Chengdu, China
 Andrew John Watkins Davenport, Iowa
 Minyi Xia Changshu, China
 Xiaowei Zhang Shannxi, China

Major in Management

Carson Owen Anderson Turin, Iowa
 Chloe Morgan Baur Haltom City, Tex.
 Jacob A. Bell West Des Moines, Iowa
 Richard Bartley Benson III Creston, Iowa
 Joshua Dean Cabbage Iowa City, Iowa
 Jianzhuang Cao Jiexiu, China
 Johnna L. Cleaver Des Moines, Iowa
 Joseph Dwight Cook Arnolds Park, Iowa
 Jackson Allen Deneen Apple Valley, Minn.
 Seth Aaron Fridley Indianola, Iowa
 Jared Jeffrey Fronk Des Moines, Iowa
 Kathleen Rose Johnson Windsor Heights, Iowa
 Chase Gerald Juhl Bondurant, Iowa
 Joseph Jacob Kallsen Ames, Iowa
 Riley Charles Katich West Des Moines, Iowa
 Jacob Kenneth Kluesner Edgewood, Iowa

Matthew Lloyd Kots Carroll, Iowa
 ** Rou Wei Loh Penang, Malaysia
 Victoria E. Lutcavish Cumming, Iowa
 Kyle A. Magill Carroll, Iowa
 Linda Sulema Meraz Des Moines, Iowa
 Tushar Purswani New York, N.Y.
 Caroline Jean Grace Richardson Indianola, Iowa
 Bryan Andrew Schwab Mundelein, Ill.
 Alex James Simpson Dubuque, Iowa
 Bryan Michael Stajcar Altoona, Iowa
 Kelsey Lynn Staples Spencer, Iowa
 Emma Kathryn Tanner Ottumwa, Iowa
 Nicole Kay Uhlenkamp Central City, Iowa
 Nicole Marie Wagner Osage, Iowa
 Nicholas Cooper Ward Libertyville, Ill.
 Nathan W. Welty Camdenton, Mo.

Major in Management Information Systems

Tyler Neil Battles Indianola, Iowa
 Jennifer J. Bidne Grinnell, Iowa
 Michael Paul Brodahl Waukon, Iowa
 Evan James Collins Mason City, Iowa
 Jason Michael Fitzgerald Boone, Iowa
 Jeffrey Gyaase Brooklyn Park, Minn.
 Michaela Rose Halbur Ogden, Iowa
 Andrew Wagner Hansen Waterloo, Iowa
 Ashley Marie Hilton Urbandale, Iowa
 Daniel Harrison Hingtgen North Liberty, Iowa
 Nu Hoang Ho Sioux City, Iowa
 Shelby JoAnn Hockey Evansdale, Iowa
 John Tchimanga Ilunga Des Moines, Iowa
 Liliane Tulikumwenayo Iragena Des Moines, Iowa
 Joseph Allen Jackelen Coon Rapids, Minn.
 Ari Will Jacobs Cary, Ill.
 Miłosz Maria Janczuk Eagan, Minn.
 David John Jennings Prairie City, Iowa
 * Thomas Daniel Jude Aurora, Ill.
 Lachlan James Kelley Urbandale, Iowa
 Junnie Alikou Kengni West Des Moines, Iowa
 Bradley Don Kesler Estherville, Iowa
 Jordan Scott Ketner Des Moines, Iowa
 Zachary D. King Ames, Iowa
 Bienfait M. Kirivita Goma, D R Congo
 ** Haley L. Klusman Honey Creek, Iowa
 Mancy New Delhi, India

Talon Lee Meyer Lester, Iowa
 Jackson Hamilton Miller Red Oak, Iowa
 Blake Moen Council Bluffs, Iowa
 Sunyoung Park Seoul, South Korea
 Tanasit Posew West Des Moines, Iowa
 *** Theodore Jacob Reinert Cedar Rapids, Iowa
 Logan Lee Richards Carlisle, Iowa
 Evan H. Ridenhour-McHenry Brandon, Iowa
 Aaron Michael Schoening Cambridge, Iowa
 O'Sheen Macuhal Smith Urbandale, Iowa
 Dexter Otto Sommerfeldt Antioch, Ill.
 John Patrick Stotz Cary, Ill.
 Trevor Kyle Stroup Ankeny, Iowa
 Nikita Suvorov Plymouth, Minn.
 Caleb John Swehla Des Moines, Iowa
 Jon T. Taylor Shell Rock, Iowa
 Brett A. Thomsen Clear Lake, Iowa
 ** Mary-Katelyn Trecker Carroll, Iowa
 Dino Turan Urbandale, Iowa
 Andrew Raymond Underwood Ames, Iowa
 Nicholas John Van Vickie Round Lake Beach, Ill.
 Carlos Jose Velasquez Romero Denison, Iowa
 Steven Alan Weber Colfax, Iowa
 *** Matthew James Williams Ankeny, Iowa
 Joseph Earl Wilson Huxley, Iowa
 Brandon Reed Wood-Fisher Newton, Iowa

Major in Marketing

| | | | |
|----------------------------|-----------------------|-------------------------------|---------------------|
| Clayton Cole Anderson | League City, Tex. | Maxwell Lloyd Kruse | Spirit Lake, Iowa |
| Cole Joseph Buss | Prior Lake, Minn. | Cole Raymond Krynicki | Wheaton, Ill. |
| Dylan James Campbell | Polk City, Iowa | Peter Rae Lashier | Johnston, Iowa |
| Bryce Lee Carper | Macomb, Ill. | Jordan Gerard Luecke | Freeport, Ill. |
| Charles Michael Celsi | Des Moines, Iowa | Susan Marlene Manning | Johnston, Iowa |
| Johnathon Denton Christine | Ankeny, Iowa | Megan M. McKern | Glenwood, Iowa |
| Rachel Jane Dankbar | Grimes, Iowa | Olive Anna Louisa McLean | Minneapolis, Minn. |
| ** Satrio Adhi Darmawan | Jakarta, Indonesia | Nicholas Jeffrey Metge | Altoona, Iowa |
| Dalten McClain Davis | West Des Moines, Iowa | Alex Ricardo Montelongo | Peoria, Ill. |
| Kara Marie Denner | New Hampton, Iowa | Zachary Gilbert Muñoz | Lake Zurich, Ill. |
| Cole A. Ferris | St. Charles, Iowa | Katherine F. Philbrick | Eagan, Minn. |
| Daniel Lee Fisher | Red Oak, Iowa | José Antonio Rivera III | Harlan, Iowa |
| Maren Ashley French | Urbandale, Iowa | *† Rebecca Dawn Rong | Des Moines, Iowa |
| Skylar Nicole French | Freeman, Mo. | Thaddaeus Timothy Rozen | Mason City, Iowa |
| Karla Yamileth Fuentes | Perry, Iowa | Rachel Nicole Rullestad | Ankeny, Iowa |
| Mike Salvatore Gallagher | Geneseo, Ill. | Paige Therese Salmon | St. Louis, Mo. |
| Henok Goitom | Wheaton, Ill. | Wesley Demery Schlegel | Galena, Ill. |
| Jessica A. Gonzalez Frias | Ottumwa, Iowa | Jacqueline Nicole Schroder | Noblesville, Ind. |
| ** Michael James Hanstad | Johnston, Iowa | Christopher William Sible | Oregon, Ill. |
| Nicholas David Hausmann | Cedar Rapids, Iowa | Kyle Gary Starcevich | Altoona, Iowa |
| Daniel David Hill | Apple Valley, Minn. | ** Larissa Marie Starkweather | Lakeville, Minn. |
| Michael Stuart Hollander | West Des Moines, Iowa | Kathryn Mary Vincent | Eden Prairie, Minn. |
| Samantha Jo Horton | Des Moines, Iowa | Jasper Atid Vivanh | Des Moines, Iowa |
| Jacob Paul Hurley | Ames, Iowa | Kirsten Leigh Wallace | St. Charles, Ill. |
| Anna Jergenson | Maple Grove, Minn. | ** Kerine Webster | Piscataway, N.J. |
| Da eun Kang | Seoul, South Korea | ** Luke Adam Wolf | Garner, Iowa |
| Kevin Alexander Kost | Batavia, Ill. | Hyeon Yeong Yang | Seoul, South Korea |

Major in Supply Chain Management

| | | | |
|-------------------------|-------------------------|--------------------------|------------------------|
| Emma Lynn Barta | Cedar Rapids, Iowa | Reid Phillip McMahon | Glenview, Ill. |
| Cody Dean Baumeister | Carroll, Iowa | Samuel Dale Moser | Dubuque, Iowa |
| John R. Bruess | Cedar Falls, Iowa | James E. Muschenheim | Houston, Tex. |
| Junyu Chen | Chandler, Ariz. | Ryan Scott Nelson | Ames, Iowa |
| Taylor Elizabeth Davis | Florissant, Mo. | Jhen Liang Ngooi | Kuala Lumpur, Malaysia |
| Lei Dong | Chongqing, China | Zachary Ryan Nickles | Edwards, Ill. |
| Lincoln Ronald Dupree | Mount Pleasant, Iowa | *** Jerri Lynn Pearson | Boone, Iowa |
| Lucas Paul Fisher | Jewell, Iowa | Abigail Eileen Rauch | Webster City, Iowa |
| David Arlo Goodyear | Geneva, Ill. | Kollin Karl Rottinghaus | Callender, Iowa |
| Samuel Andrew Grothem | Owatonna, Minn. | Joshua D. Sample | Des Moines, Iowa |
| Andrew Herkenhoff | Burnsville, Minn. | Matthew Robert Schroeder | Garner, Iowa |
| Jacob Carl Hoelter | Arlington Heights, Ill. | Nicholas C. Siedlecki | Crystal Lake, Ill. |
| William Eldon Hyde | Urbandale, Iowa | Erik John Smith | Albia, Iowa |
| Jade Shaylynn Jackson | Davenport, Iowa | Katherine A. Smith | Oskaloosa, Iowa |
| Qin Ji | Shanghai, China | Jared Staton | Cedar Rapids, Iowa |
| Matthew Lloyd Kots | Carroll, Iowa | Charles Michael Thilges | Whittemore, Iowa |
| Bridget Kathleen Kuhn | White Bear Lake, Minn. | Kirsten Leigh Wallace | St. Charles, Ill. |
| Pierce Gerard Larkin | Johnston, Iowa | Leah Louise Widdel | Carroll, Iowa |
| Eugene Zin Lee | Johor, Malaysia | Rebecca Jewel Wrolson | Hampton, Iowa |
| * Bernice Loh Wen Ching | Georgetown, Malaysia | Sara Jessica Wyss | Cedar Falls, Iowa |
| Kellie Gabrielle Maurer | Woodbury, Minn. | Drew J. Young | Avoca, Iowa |

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Multiple Curricula and Majors

| | | | |
|---|-------------------------------|--|-------------------------------|
| Colin D. Ahrens Management and Marketing | <i>Crystal Lake, Ill.</i> | Oleg P. Klimenchuk Supply Chain Management and Marketing | <i>Knoxville, Iowa</i> |
| Intisar Al Wahaibi Finance and Accounting | <i>Oman</i> | Kristen Anne Kocsis Management and International Business | <i>Medina, Minn.</i> |
| ** Scott Michael Baumeister Accounting and Management Information Systems | <i>Waukee, Iowa</i> | Kevin Thomas Kramolis Management and Marketing | <i>River Falls, Wis.</i> |
| Skylar Kasidy Birchmier Marketing and Management | <i>Bloomfield, Iowa</i> | Alexandra Marie Kraut Accounting and Supply Chain Management | <i>Shoreview, Minn.</i> |
| Taylor C. Bjornberg Management and Liberal Arts and Sciences: Major in Public Relations | <i>Vadnais Heights, Minn.</i> | Cheyenne C. Lepird Marketing and International Business | <i>Estherville, Iowa</i> |
| Rachel Ann Boyle Management and Marketing | <i>Holstein, Iowa</i> | * Connor J. Ludwig Management Information Systems and Supply Chain Management | <i>Breda, Iowa</i> |
| * Michael Erik Brandt Finance and Marketing | <i>Eden Prairie, Minn.</i> | Daniel Busenburg Martin Finance and Accounting | <i>Ames, Iowa</i> |
| Nicholas John Carroll Accounting and Finance | <i>Maxwell, Iowa</i> | Adam Jon Mattson Supply Chain Management and International Business | <i>Eden Prairie, Minn.</i> |
| ** Melissa Kathryn Dehmer Finance and Management | <i>Woodbury, Minn.</i> | * Madison Paige Mireau Management and Marketing | <i>Savage, Minn.</i> |
| Bowen Fei Supply Chain Management and Management | <i>Hefei, China</i> | Maxwell Joseph Mussell Marketing and Liberal Arts and Sciences: Major in World Languages and Cultures (Spanish) | <i>Mendota Heights, Minn.</i> |
| **† Amanda Lyn Fishel Management Information Systems and Supply Chain Management | <i>Cedar Falls, Iowa</i> | Adrian Ortega Jr. Marketing and Management | <i>Davenport, Iowa</i> |
| *** Katherine Mae Hanson Management and Marketing | <i>Vinton, Iowa</i> | * Lucas P. Pint Finance and Business Economics | <i>Cedar Rapids, Iowa</i> |
| James Arthur Hayden Marketing and Management | <i>Moville, Iowa</i> | ** Xiao Qu Accounting and Finance | <i>Haiyang, China</i> |
| Xialin Hua Accounting and Finance | <i>Wuxi, China</i> | Saad Raja Finance and Marketing | <i>Astoria, N.Y.</i> |
| James T. Jiracek Management Information Systems and Supply Chain Management | <i>West Des Moines, Iowa</i> | Hayley Nicole Roane Supply Chain Management and Marketing | <i>Grayslake, Ill.</i> |
| Jacquelyn P. R. Johanns Supply Chain Management and Finance | <i>Dubuque, Iowa</i> | Vineela Sama Management Information Systems and Supply Chain Management | <i>Dunlap, Ill.</i> |
| Darrick Michael Jones Supply Chain Management and Management Information Systems | <i>Woodward, Iowa</i> | Kenan Joseph Schrad Management Information Systems and Marketing | <i>Carroll, Iowa</i> |
| Troy Joel Kettwick Management and Marketing | <i>Buffalo Center, Iowa</i> | | |

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

**** Brianna Rose Schubert** *Rockford, Iowa*
Supply Chain Management and International
Business

Trent Daniel Smith *Bondurant, Iowa*
Management and Finance

Shelby Lynn Stanton *Sibley, Iowa*
Marketing and Management

Bethany Louise Steffensmeier *West Point, Iowa*
Marketing and Management

**** Samuel Sulistio Tjong** *Jakarta, Indonesia*
Accounting and Finance

Vernell Trent III *Jacksonville, Fla.*
Finance and Marketing

Mitchell Aaron Veytsel *Glenview, Ill.*
Accounting and Finance

Thy Hoàng Mai Võ *Ho Chi Minh City, Vietnam*
Marketing and Supply Chain Management

Richard Wang *Johnston, Iowa*
Management Information Systems and
Supply Chain Management

Judith Nicole Wellendorf *Elkhorn, Neb.*
Accounting and Finance

CANDIDATES FOR DEGREES FROM THE COLLEGE OF DESIGN

BACHELOR OF ARCHITECTURE

Curriculum in Architecture

| | | | |
|----------------------|----------------|------------------------|-------------------|
| Jiayu Dong | Ames, Iowa | Nicholas D. Loughrey | Shakopee, Minn. |
| Olivia Caitlin Finan | Peoria, Ill. | Kerrick Charles McCann | Lino Lakes, Minn. |
| Weijie Li | Lanzhou, China | * Caleb John Scherf | Marion, Iowa |
| * Peiyao Liu | Ningbo, China | * Shelby Kay Worth | Atlantic, Iowa |

BACHELOR OF ARTS

Curriculum in Art and Design

| | | | |
|-----------------------|-------------------|------------------------|--------------------|
| Margaret Paige Irvine | Des Moines, Iowa | Matthew Lawrence Swalm | Minneapolis, Minn. |
| * Nan-Teng Liu | Kaohsiung, Taiwan | | |

Curriculum in Interdisciplinary Design

| | | | |
|----------------------------|--------------|---------------------|------------------|
| Jamie Sue Baldwin | Nashua, Iowa | Jonathan Ray Hesse | Emmetsburg, Iowa |
| Breanna A. Burnett-Larkins | Ames, Iowa | Abigail C. Thiessen | Knoxville, Tenn. |

BACHELOR OF FINE ARTS

Curriculum in Graphic Design

| | | | |
|------------------------|------------------|-------------------------|-----------------------|
| Morghan Laree Lamansky | Clive, Iowa | Layton Benjamin Windust | |
| Sarah M. Studer | Geneva, Ill. | | West Des Moines, Iowa |
| Samantha Shae Taber | Des Moines, Iowa | | |

Curriculum in Integrated Studio Arts

| | | | |
|--------------------------|--------------------|--------------------------|-----------------------|
| Taylor Jo Adams | Carroll, Iowa | Jordan Alexander Luckow | Sioux City, Iowa |
| Kelly Joe Devitt | Story City, Iowa | Danielle Marie Mojeiko | Clinton, Iowa |
| Colton Charles Fuller | Marshalltown, Iowa | * Renae Elizabeth Quandt | Garner, Iowa |
| Quinn Cecelia Goodman | Haverhill, Iowa | *** Claire Anne Smith | Belmond, Iowa |
| ** Holly Evelyn Hazelton | Cedar Rapids, Iowa | Paige Elizabeth Stanton | Windsor Heights, Iowa |

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

BACHELOR OF INDUSTRIAL DESIGN

Curriculum in Industrial Design

Courtney Allie Brendel
Kevin G. Burgoni
Ryan Lee Eiffert

Winona, Minn.
Naperville, Ill.
Columbia, Mo.

Wyatt Matthew Rasmussen
** Ryan Daryl Zumbach

Ames, Iowa
Belle Plaine, Iowa

BACHELOR OF LANDSCAPE ARCHITECTURE

Curriculum in Landscape Architecture

* Henry August Herman

McHenry, Ill.

Nicklas James Olthoff

Humboldt, Iowa

BACHELOR OF SCIENCE

Curriculum in Community and Regional Planning

Peder James Brevig
Conner Andrew Debban
Sawyer Joseph Fridel
Devin John Kamperschroer
Arlington Heights, Ill.

Lime Springs, Iowa

Shenandoah, Iowa

Schererville, Ind.

Arlington Heights, Ill.

*** Megan Faye Koppenhafer
Mackenzie Leigh Locey
* Josephina L. Matteson
* Haley Payne Weber

Oxford, Iowa
Bettendorf, Iowa
Newton, Iowa
Omaha, Neb.

Multiple Curricula and Majors

Kellen Joseph Gorman
Community and Regional Planning and
Environmental Studies
Onalaska, Wis.

CANDIDATES FOR DEGREES FROM THE COLLEGE OF ENGINEERING

BACHELOR OF SCIENCE

Curriculum in Aerospace Engineering

| | | | |
|-----------------------------|-------------------------|------------------------------------|-------------------------|
| Mohamed Elsadeg Abufalgha | Misrata, Libya | Kevin Quinton Lee | St. Paul, Minn. |
| Andrew Niles Advani | Coralville, Iowa | **† Jonathan Macarthur | Columbus, Neb. |
| Mohamed Ali Aldarrat | Philadelphia, Pa. | Muhammad Haryadi Syahputera Mazlan | Jerantut, Malaysia |
| Isaac Paul Baer | Farmington, Minn. | Scott Thomas McCleary | Ankeny, Iowa |
| Yun Qi Bang | Selangor, Malaysia | Michael Douglas Mohr | Oconomowoc, Wis. |
| Lionello Bardina | Libertyville, Ill. | Young Eun Mun | Bucheon, South Korea |
| Vincent Michael Biaggio | Plymouth, Minn. | Carlos Negrin Bolaños | Las Palmas, Spain |
| Jonathan Howard Bockhaus | Urbandale, Iowa | Teejay Azeez Odesanya | West Des Moines, Iowa |
| Sullivan Quay Boyd | Wauwatosa, Wis. | Hunter C. Owen | Puyallup, Wash. |
| Jackson Robert Braatz | Stillwater, Minn. | Leon Henry Owusu | Cedar Falls, Iowa |
| *** Jeffrey J. Breitfelder | Dubuque, Iowa | Maxwell S. Person | Elk River, Minn. |
| Rhen Mckenzie Bruneteau | Omaha, Neb. | Christabelle Peter | Kota Kinabalu, Malaysia |
| ** Connor John Coffey | Omaha, Neb. | * Cory Robert Preston | Guttenberg, Iowa |
| * Nicholas Joseph Cosentino | Elmhurst, Ill. | Gabriel Asher Rivera | Palo Alto, Calif. |
| Emily Rebecca Davis | Charlotte, N.C. | Joshua Michael Roney | Des Moines, Iowa |
| Anthony Michael DeBell | Elk Grove Village, Ill. | Shane Paul Sager | Austin, Tex. |
| ** Nathaniel Roy Eide | Le Sueur, Minn. | *** Allison Lynn Sandlass | Delano, Minn. |
| Aaron Royce Elkin | Indianola, Iowa | Collin Xavier Smith | Mount Vernon, Iowa |
| Noah Gilberto Favela | Palatine, Ill. | Jade Soleil Paragas Sorensen | Fort Madison, Iowa |
| Hayden Jacob Ford | Buffalo Grove, Ill. | Nicholaus G. Steffensmeier | Lincoln, Neb. |
| Benjamin Michael Getson | Jefferson City, Mo. | Puspa R. Subedi | Menasha, Wis. |
| * Matthew Nelsen Gustafson | Mahtomedi, Minn. | Paul Martyn Tempin | Woodstock, Ill. |
| Souleymane Hanne | East Moline, Ill. | Matthew Alan Tonner | Esko, Minn. |
| * Nathan J. Hemming | Grand Forks, N. Dak. | Logan Alexander Towers | Johnston, Iowa |
| Chukwuebuka Kemdirim | Des Moines, Iowa | Nicholas J. Wandro | Urbandale, Iowa |
| Michael Allan Kilts | Cedar Rapids, Iowa | Trevor W. Wibicki | Algonquin, Ill. |
| * Matthew Houston Kissinger | Pella, Iowa | James Joseph Wingerter | Elkhorn, Neb. |
| Ryan Matthew Komosa | Carpentersville, Ill. | Christopher M. Ziegler | New Berlin, Wis. |
| **† Kirsten Ann Lane | Cedar Rapids, Iowa | | |

Curriculum in Agricultural Engineering

| | | | |
|---------------------------|----------------------------|---------------------------|-------------------|
| Daniel Lee Bengtson | Ames, Iowa | **† Andrew Darold Primmer | Ames, Iowa |
| Jacob Aaron Christensen | Eagle Grove, Iowa | James William Renoe | Hampton, Iowa |
| Max Thomas Gangestad | Clarion, Iowa | Kolton Lynn Rottink | Waverly, Iowa |
| ** Heather Laine Hoefling | Marcus, Iowa | Rene Ann Schmidt | Lancaster, Wis. |
| Elijah Patrick Kautz | La Porte City, Iowa | Colin David Steele | Washington, Iowa |
| Timothy P. Luhr | Inver Grove Heights, Minn. | * Jeremy P. Tjardes | Gibson City, Ill. |
| Caleb Jordan Oswald | Coon Rapids, Iowa | | |

Curriculum in Biological Systems Engineering

| | | | |
|--------------------------|-----------------------|---------------------------|-------------------------|
| Atakilti W. Berhe | Adwa, Ethiopia | * Weiquan Luo | Foshan, China |
| Sangjin Chung | Seongnam, South Korea | Jon Michael Mitchell | Arnolds Park, Iowa |
| ** Lauren E. Jorgenson | Andover, Minn. | Reginald Wei Tan | Rowland Heights, Calif. |
| James Franklin Killpack | Neola, Iowa | * Shanna Wendellyn Pe Tan | Davao, Philippines |
| Oluwadurotimi David Koya | Ajah, Nigeria | | |

Curriculum in Chemical Engineering

| | | | |
|------------------------------|------------------------|-----------------------------|---------------------|
| Arianna Brielle Morrow Adams | White Bear Lake, Minn. | Ian Lewis Johnson Hazlett | Cedar Rapids, Iowa |
| Jae Kyung Ahn | Seoul, South Korea | Clint James Helle | Earlville, Iowa |
| Reem Alkhalil | Ames, Iowa | Trinh M. Huynh | Des Moines, Iowa |
| Mariá Paula Arévalo Gonález | San Antonio, Tex. | ** Ashley Kay Iannuzzelli | Elk River, Minn. |
| Faye Marie Assmann | Omaha, Neb. | Carolyn Marie Jennrich | Naperville, Ill. |
| Andrew J. Berg | Buffalo Grove, Ill. | Zhou Jiang | Nanjing, China |
| Mitchell R. Biehl | Rogers, Minn. | Georgia Marie Kolf | Cedar Rapids, Iowa |
| * Kelsey Rae Brandt | Marion, Iowa | Akshay Ashutosh Kulkarni | Nashik, India |
| * Brian Elliott Brcka | Fertile, Iowa | ** Ryan William Linnemann | Grayslake, Ill. |
| Parker Dana Brown | Des Moines, Iowa | Sachini Dilhara Madanayaka | Galle, Sri Lanka |
| Tiffany April J. Camarillo | Maina, Guam | Chris Mark Maloney | Elk River, Minn. |
| Alexander P. Chandler | Waconia, Minn. | Ian Raj Mathur | Carlsbad, Calif. |
| Fei Chen | Chizhou, China | Tyler Jordan Miller | Northfield, Minn. |
| Chanelle Chidera Chimezie | Lekki, Nigeria | Shannon R. Moody | Cedar Falls, Iowa |
| Ryan Lee Clark | Milford, Iowa | * Aimee Rainu Pierce | Barrington, Ill. |
| ** Joseph M. Dailey | Johnston, Iowa | ** Joshua David Potvin | Woodbury, Minn. |
| Darwin Darlin | Medan, Indonesia | Drew Forrest Ryan | Lamoni, Iowa |
| *** Dakota Even | Atalissa, Iowa | ** Anna Rose Sacchetti | Hastings, Minn. |
| Darcie Helen Farrell | De Witt, Iowa | * Alexander James Szazenski | Lakeville, Minn. |
| Conner Paul Feldotto | Urbandale, Iowa | ** Tyler R. Shelby | Buffalo, Minn. |
| Sai Feng | Shijiazhuang, China | Han Jong Shin | Seoul, South Korea |
| ** James Michael Frank | Sartell, Minn. | Amber Lynn Tieman | Prior Lake, Minn. |
| Nicholas G. Fredrickson | Prior Lake, Minn. | Anthony O. Vik | Coralville, Iowa |
| ** Brett Joseph Gallens | Dixon, Iowa | Joseph Michael Vogel | York, Maine |
| * Mackenzie M. Garlock | Davenport, Iowa | Aishwarya Warriar | Bettendorf, Iowa |
| ** Joseph Conner Graves | Iowa City, Iowa | Zachary Robert Weiss | Ames, Iowa |
| Maya Nicole Harris | Dallas, Tex. | ** Justin Thomas White | Maple Grove, Minn. |
| | | William Avery Young | Eden Prairie, Minn. |

Curriculum in Civil Engineering

| | | | |
|-----------------------------|---------------------------|----------------------------|----------------------|
| * Paige Sarah Adams | Conroe, Tex. | Robert Calvin Martin | Davenport, Iowa |
| Alexander Russell Amadeo | Monroe, Iowa | Joseph Steven Miller | Springfield, Ill. |
| Samuel Glen Bedwell | St. Charles, Iowa | Haley Kathleen Moore | Ames, Iowa |
| ** Jeffrey Craig Canterbury | Stillwater, Minn. | *** Heli Felix Nascimento | Aracaju, Brazil |
| ** Walter Jeffrey DeDoncker | Bettendorf, Iowa | Jacob Christopher Nichols | Muscatine, Iowa |
| Marian Caitlin Durston | Littleton, Colo. | Morgan Ann North | Ankeny, Iowa |
| Scott Allen Edmundson | Eldridge, Iowa | Young Kol Park | Daejeon, South Korea |
| Cody Michael Feldmann | Keystone, Iowa | Alena Nicole Peterson | Ankeny, Iowa |
| Mario Ketzel Franco | Muscatine, Iowa | Kendall Paul Porth | Mount Pleasant, Iowa |
| Clay Robert Gunzenhauser | Marengo, Iowa | * Brach Andrew Prough | Mount Pleasant, Iowa |
| Bryce Allen Hallmark | Ankeny, Iowa | Chen Qian | Lanzhou, China |
| Samantha Jo Handrock | Crystal Lake, Ill. | Jacob Dwight Sheets | Toddville, Iowa |
| Adam Dennis Heppelmann | Eden Prairie, Minn. | ** Maxwell David Staver | Waterloo, Iowa |
| ** Timothy Scott Hinkle | Wapello, Iowa | ** Michael Joseph Stebbing | Savage, Minn. |
| Caleb John Hogan | Naperville, Ill. | Matthew Lynn Steding | Ankeny, Iowa |
| Austin J. Holub | Solon, Iowa | Dalton R. Syverson | Milford, Iowa |
| Jacob C. Imming | Rochester, Minn. | Dakota Rae Taylor | Runnells, Iowa |
| Logan Edward Jarvis | Riceville, Iowa | John Bradley Tracy | Rochester, Minn. |
| * Xingtong Ji | Shenzhen, China | *** Hau Minh Truong | Huxley, Iowa |
| Yue Jiang | Lanzhou, China | Lichen Wang | Lanzhou, China |
| Andrew Wayne Johnson | Maquoketa, Iowa | Zhiwei Wang | Harbin, China |
| ** Leah Ann Kesselmayr | Warrenville, Ill. | Ashley Nicole Wos | Plainfield, Ill. |
| Sarah Lynn Kirkegaard | Ames, Iowa | Jinshu Wu | Ningde, China |
| Brandon Allan Kuehl | Ankeny, Iowa | Weihao Wu | Lanzhou, China |
| ** Nicholas Thomas Larounis | Naperville, Ill. | Kai Xin | Qingdao, China |
| Shuang Li | Wuhan, China | Dong Xing | Ames, Iowa |
| *** Luke James Logan | Des Moines, Iowa | Chang Zhao | Lanzhou, China |
| Jeffrey Gordon MacDonald | La Grange Highlands, Ill. | Liang Zhong | Shenzhen, China |
| Jacob R. Maline | Hudson, Wis. | David Leslie Zobrist | Spencer, Iowa |

* Cum Laude

** Magna Cum Laude

*** Summa Cum Laude

† Honors Program

Curriculum in Computer Engineering

| | | | |
|-------------------------------|-----------------------|----------------------------------|--------------------------|
| Diva Agarwal | Davenport, Iowa | Everett Joseph Lepp | Peoria, Ill. |
| ** Samuel Theodore Altier | Johnston, Iowa | Nicholas Allen Lewis | Eldridge, Iowa |
| Michael Bradley Anderson | Cedar Rapids, Iowa | Seth Mykel Lightfoot | Rockford, Ill. |
| Zachary William Bennett | Altoona, Iowa | Lixing Liu | Jiujiang, China |
| Roxanne B. Brooks | Norwalk, Iowa | *† Sierra Ann Lucht | Ankeny, Iowa |
| Joseph Patrick Bush III | Stillwater, Minn. | Jesse Desire Luedtke | Storm Lake, Iowa |
| Khoi Anh Cao | Hanoi, Vietnam | Jonathan Patrick McCann | Ankeny, Iowa |
| Bijan F. Choobineh | Ames, Iowa | Patrick Paul Mosebach | Darien, Ill. |
| Darren Duane Davis | Nora Springs, Iowa | Viet Anh Nguyen | Hanoi, Vietnam |
| Nipun Sanjeewa Dayanath | Kegalle, Sri Lanka | * Daniel John Nugent | Minneapolis, Minn. |
| Eli Paul Devine | Marshalltown, Iowa | Alex D. Orman | Ames, Iowa |
| Daniel P. Doyle | Fox River Grove, Ill. | Levi Dillon Partridge | Powersville, Mo. |
| Collin Farrell | West Des Moines, Iowa | Jens A. Petersen | Muscatine, Iowa |
| Justin William Fehr | Bartlett, Ill. | Dustin Thomas Reed | Conrad, Iowa |
| ** Kyle Joseph Fischer | Cedar Rapids, Iowa | Ross J. Reicks | Carroll, Iowa |
| Matthew Joseph Gerst | Waterloo, Iowa | Marco Antonio Restaino | Itasca, Ill. |
| * Rachel Leann Hartman | Parker, Colo. | David K. Robideau | Rockwell City, Iowa |
| Grace Hannah Winchup Herrmann | Bettendorf, Iowa | Kolton Lynn Rottink | Waverly, Iowa |
| Justin Charles Howe | Cedar Rapids, Iowa | Neil Kamal Saigal | Bettendorf, Iowa |
| ** Cory D. Itzen | Fort Dodge, Iowa | * Eric Jonathan Frew Shackelford | Ankeny, Iowa |
| **† Jacob M. Johnson | Spencer, Iowa | Robert Joseph Slezak | Akron, Ohio |
| Christopher John Kelley | Mason City, Iowa | Tyler Scott Stapler | Rancho Cucamonga, Calif. |
| * John Thomas Koehn | Hugo, Minn. | Robert John Stemig | Lino Lakes, Minn. |
| * Tracy Lynn La Van | Ankeny, Iowa | Timothy Mark Vanderwiel | Rochester, Minn. |
| Evan Spencer Lambert | Mason City, Iowa | Joshua Thomas Wassenaar | Eden Prairie, Minn. |
| Jacqueline P. Larin | Dallas, Tex. | *** Landon James Woerdeman | Ankeny, Iowa |
| | | Jordan R. Young | Chicago, Ill. |

Curriculum in Construction Engineering

| | | | |
|----------------------------|---------------------|-------------------------------|----------------------|
| Alexey Vinicio Acevedo | Norristown, Pa. | Trevor Daly McMains | Runnells, Iowa |
| Jared Lee Blodgett | Decorah, Iowa | Sarah E. Morgan | Hamilton, Ill. |
| Gregory Patrick Cowan | Ankeny, Iowa | Sara Joy Peterson | Urbandale, Iowa |
| Ryan Lee Craven | Iowa City, Iowa | Wilson Robert Reynolds | Clive, Iowa |
| Cole Joseph Davidowski | Maple Grove, Minn. | Nathan Alexander Roth | Oronoco, Minn. |
| Harlee Nicole Drury | Le Grand, Iowa | David Wayne Rutherford Jr. | Bellevue, Neb. |
| Crystal Jo Felch | Norwalk, Wis. | Joshua Patrick Ryan | Council Bluffs, Iowa |
| Christian Manuel Flores | Los Angeles, Calif. | Filip Sakanovic | Waterloo, Iowa |
| ** Connor D. Flynn | Lancaster, Wis. | Regan Mckay Smiley | Bloomington, Ill. |
| William Augustus Gude | Kansas City, Mo. | Christopher C. Sorenson | Ames, Iowa |
| Jacob Simon Hawksford | Rockville, Md. | Shelby Barbara Stecklein | Dubuque, Iowa |
| Brett William Hennings | Ankeny, Iowa | * Michael John Stenbeck | Edina, Minn. |
| Benjamen Scott Hull | Fairfield, Iowa | Charles Alan Sweeney | Blaine, Minn. |
| Cole James Isaacson | Madrid, Iowa | Lynndon Richard Wells | Indianola, Iowa |
| Alec Timothy Johnson | Stillwater, Minn. | Marcelious Anthony Clay Wyatt | Rock Island, Ill. |
| ** Dakota James McClelland | Waukee, Iowa | | |

Curriculum in Electrical Engineering

| | | | |
|----------------------------|----------------------|------------------------------|--------------------|
| * Jake Gary Asmus | Apple Valley, Minn. | Zhaobo Huang | Beijing, China |
| Patrick Joseph Boyle | Geneva, Ill. | * Sarah Wade Huber | Bettendorf, Iowa |
| Noah James Chartouni | Mount Prospect, Ill. | * Abdelmagieed M. Ibrahim | Cedar Rapids, Iowa |
| Xin Chen | Wuhan, China | ** Richard D. Jiles | Ames, Iowa |
| * Alexander P. Christenson | Fridley, Minn. | Arbaaz Khan | Streamwood, Ill. |
| Samuel Adams Christy | Omaha, Neb. | * Elika D. Korhonen | Radcliffe, Iowa |
| Robert G. Cohoon III | Woodridge, Ill. | Jinan Li | Beijing, China |
| Austin C. Diecks | Naperville, Ill. | Shi Xiang Lim | Melaka, Malaysia |
| Mustafa Z. Hafeez | Sioux City, Iowa | ** Timothy William Lindquist | Rochester, Minn. |

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

| | | | |
|---------------------------|-----------------------|---------------------------|------------------------|
| Daniel Joseph Mallek | Clarendon Hills, Ill. | Dalton Strauser | North Liberty, Iowa |
| Shengxin Mao | Hangzhou, China | Chung Sheng Su | Selangor, Malaysia |
| Benjamin Joseph Meis | Le Mars, Iowa | Evinash Subramaniam | Kuala Lumpur, Malaysia |
| Travis William Merrifield | Cedar Rapids, Iowa | | |
| Parker Myles Oltrogge | Shellsburg, Iowa | Terver Kelvin Ubwa | Fort Dodge, Iowa |
| Joshua Garrett Pacht | Glenwood, Iowa | Steve Omonchere Ukpan Jr. | Des Moines, Iowa |
| *** Samuel D. Schoeberl | Hastings, Minn. | Yong Shen Yap | Kuala Lumpur, Malaysia |
| *** Ilya Smirnov | West Des Moines, Iowa | ** Yuxuan Yuan | Nanchang, China |

Curriculum in Industrial Engineering

| | | | |
|--------------------------------|---------------------|----------------------------|-----------------------|
| Andrew David Chamberlain Adams | Barrington, Ill. | Tyler James Hodina | Cedar Rapids, Iowa |
| Luke Zachary Boeck Anderson | Minneapolis, Minn. | Samuel William Johnson | Minneapolis, Minn. |
| Allison Marie Angell | Mokena, Ill. | Tu Tien Le | Sioux City, Iowa |
| ** Xue Bai | Shijiazhuang, China | Chantel Dawn Ledbetter | Rush, Colo. |
| Colton James Bidlack | St. Charles, Ill. | Lucas James Marston | Elkhorn, Neb. |
| Jackson G. Bohn | Plano, Tex. | Jack Desmond McGinty | Plymouth, Minn. |
| Abigail M. Bradford | Waverly, Iowa | Sarah Elizabeth Mihm | Norway, Iowa |
| Austin Scott Burbridge | Robins, Iowa | Grace Moss | Rockford, Ill. |
| Siddharth Sanjeev Chaubal | Hagerstown, Md. | Zachary Patrick O'Donnell | Batavia, Ill. |
| Jonathan Charles Clark | Boone, Iowa | Seth Michael O'Flaherty | Bloomington, Ill. |
| Joshua Lawrence Conrad | Papillion, Neb. | John Robert Ocenasek | Eden Prairie, Minn. |
| **† Jakob Riley Croghan | Manning, Iowa | Alexander Petroulakis | Skokie, Ill. |
| * Ernest Andrew Davis | Waukon, Iowa | * Brandon Michael Pongracz | Toluca, Ill. |
| Sara Rae Dohrmann | Davenport, Iowa | Mason Daniel Renner | Cedar Rapids, Iowa |
| * Kelsey Ann Duggan | Cedar Rapids, Iowa | Brandyn Lee Roers | Chaska, Minn. |
| ** Connor Steven Feldt | Savage, Minn. | Ethan Carl Salzman | Loves Park, Ill. |
| Rebecca Anne Flicher | Highland Park, Ill. | John Spencer Santoro | St. Charles, Ill. |
| Andre Samuel Fristo | Des Moines, Iowa | * Michael Steven Schemm | Pella, Iowa |
| Timothy Scott Girvan | Maple Grove, Minn. | Jake Alyn Smith | Des Moines, Iowa |
| Tyler William Gorman | New Hampton, Iowa | Collin J. Stefanik | Elmhurst, Ill. |
| Chase Morgan Grimm | Maynard, Iowa | Calli Lin Stewart | Marshalltown, Iowa |
| Kellee Nicole Hartjen | Park Ridge, Ill. | Mitchell Paul Volz | Minnesota Lake, Minn. |
| David Michael Hicks | Carroll, Iowa | * Alexander R. Williamson | Urbandale, Iowa |
| | | Haonan Xie | Guangzhou, China |

Curriculum in Materials Engineering

| | | | |
|--------------------------|--------------------|-------------------------|--------------------|
| Daniel Scott Acton | Geneva, Ill. | Jakob Matthias Lang | Cedar Rapids, Iowa |
| Michael J. Ambrose | Clive, Iowa | Timothy Ryan O'Shea | Galena, Ill. |
| ** Alex Richard Benson | Lancaster, Wis. | Bradley David Pettijohn | Minneapolis, Minn. |
| * Kyler J. Burkey | Walker, Iowa | Noah Joseph Pizano | Maple Grove, Minn. |
| Grant Arthur Fleener | Ames, Iowa | Alexander David Preston | Omaha, Neb. |
| Matthew J. Goode | Coggon, Iowa | Jacob A. Reser | Ames, Iowa |
| Nicholas Michael Hanzlik | Coon Rapids, Minn. | Preston Grant Schaaf | Randolph, Iowa |
| David Bishop Jones-Camp | Minneapolis, Minn. | Zachary Rein Taalman | Park Ridge, Ill. |
| David Karayof | Ronkonkoma, N.Y. | * Andrew J. Temple | Newell, Iowa |
| Gabriel David Koch | Northfield, Minn. | **† Bryce C. Thoeny | Coralville, Iowa |

Curriculum in Mechanical Engineering

| | | | |
|--------------------------|-----------------|----------------------------|-------------------|
| Daniel John Ackerman | St. Paul, Minn. | Colin Kenneth Barker | Osage, Iowa |
| Kyle James Alviani | Plymouth, Minn. | ** Laurel Augustina Barnet | Platteville, Wis. |
| Ahmed Assem Aly | Cairo, Egypt | Jacob Joseph Bergfeld | Bernard, Iowa |
| Connor J. Amiot | Elmhurst, Ill. | Jacob Christian Bernier | Morton, Ill. |
| Mar'Shona Janae Anderson | Ankeny, Iowa | Ashwin Bharadwaj | Bangalore, India |
| Kaushik Raj Arukonda | Aurora, Ill. | ** Siyu Bi | Shenyang, China |
| *** Jason M. Banker | Clinton, Iowa | * Steven Patrick Biegler | Marion, Iowa |

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

| | | | | |
|-----|-----------------------------|-------------------------------------|----------------------------|-------------------------|
| | Kyle J. Birchmier | Bloomfield, Iowa | Louis James Kovarik | Grayslake, Ill. |
| | Nicholas Steven Bohlke | Annandale, Minn. | Cameron Kulow | Wheaton, Ill. |
| * | Max Alexander Bush | Deerfield, Ill. | Christian Kvalseth | Savage, Minn. |
| | Daniel Paul Carberry Jr. | Brookfield, Ill. | Liam Charles Lafferty | Cedar Rapids, Iowa |
| | Jose Eron Caro | Waukee, Iowa | John Austin Lauer | Morton, Ill. |
| *** | Noah K. Carter | Ames, Iowa | De Yuan Law | Petaling, Malaysia |
| | Ian J. Carville | Raleigh, N.C. | Joshua Robert Ledger | Stillman Valley, Ill. |
| *** | Irving Jing Wen Chan | Malaysia | Nathan Mark Lenz | Sioux Falls, S. Dak. |
| | Mannooj Chandrasekaran | Colombo, Sri Lanka | Andrew James Leust | Barrington, Ill. |
| | Nicholas C. Chierici | Oak Park, Ill. | * Zhi Ken Liew | Subang, Malaysia |
| * | Eric Shang Cheng Chuah | Kuala Lumpur, Malaysia | Benedict Zhe Yi Lim | Kuala Lumpur, Malaysia |
| | Weston Palmer Creath | Woodstock, Ill. | Lucas David Lockhart | Ankeny, Iowa |
| | Joshua J. Curtis-Beard | Lincoln, Neb. | William Jonathan Lukita | Jakarta, Indonesia |
| | Mark Buenaventura deLeon | Stillwater, Minn. | Nathaniel Lawrence Mann | Woodbury, Minn. |
| | Trung Lo Deo | Urbandale, Iowa | Lucas C. Manwiller | Davenport, Iowa |
| | Sean Thomas Diemer | West Des Moines, Iowa | Jonathan Ryan Mayer | Dickinson, Tex. |
| * | Michael Francis Doheny | Clive, Iowa | Carter Michael McNew | Plymouth, Minn. |
| | Rosalie Ann Dubberke | Blue Grass, Iowa | Kyle Thomas McNulty | Stillwater, Minn. |
| | Matthew Eckdahl | Brooklyn Park, Minn. | Kyle Francis Mensen | New Vienna, Iowa |
| | Kaleb Jay Eckerson | Spirit Lake, Iowa | * Steven Gregory Mitchell | Omaha, Neb. |
| | Alexandre C. Eickenberg | Glenview, Ill. | Ryan Charles Moriarty | Rockford, Ill. |
| | Mohamed Elhussein Elfourtia | Misurata, Libya | Barbara Lynn Morse | Spirit Lake, Iowa |
| | David Tosin Eluobaju | Chicago, Ill. | Gabriel Lloyd Murray | Egan, Minn. |
| | James M. Entwistle III | Bettendorf, Iowa | *** Levi Michael Nauman | Durango, Iowa |
| *** | Louis Christopher Faivre | Washington, Ill. | Kayla M. Nelson | St. Louis Park, Minn. |
| | Grady Stephen Farrer | Hinton, Iowa | * Emily Rose Olan | Grayslake, Ill. |
| ** | Eric Michael Feetterer | Crystal Lake, Ill. | ChanGyu Park | Seoul, South Korea |
| * | Joseph Fender | Council Bluffs, Iowa | Bradley D. Patience | Cedar Rapids, Iowa |
| | Jacob Bernard Formico | Bloomington, Minn. | *** Ethan R. Pauly | Monticello, Minn. |
| | Ranuka Gunathilaka Gallolu | Kankanamalage Kurunegala, Sri Lanka | Nicholas David Peppler | Savage, Minn. |
| | Tomas Michael Gauthier | Sandwich, Ill. | Daniel J. Peterson | Minnetonka, Minn. |
| | Cody Daniel Getz | Wood Dale, Ill. | ** Timothy George Phillips | Prole, Iowa |
| | Claire A. Glatly | Chanhassen, Minn. | Sarah K. Pinkerton | Ames, Iowa |
| | Josh Robert Goodwin | Bartlett, Ill. | Alexander Jeffery Pope | Elk Grove Village, Ill. |
| | Jeffrey M. Grayczyk | Palatine, Ill. | William Robert Quandt | Cedar Rapids, Iowa |
| *** | Tristan David Griffith | Idaho Falls, Idaho | Jared Richard Rasula | Minnetonka, Minn. |
| | Craig D. Halicki | Naperville, Ill. | Andrew Christian Reader | Cedar Rapids, Iowa |
| | Samuel Joseph Hanson | Jewell, Iowa | Sean Patrick Reeves | Wayzata, Minn. |
| | Justin Dale Hardenbrook | Reasnor, Iowa | Daniel J. Renier | Chanhassen, Minn. |
| * | Aaron Joseph Havens | Des Moines, Iowa | Benjaman William Rickers | Underwood, Iowa |
| | Mingwei He | Chengdu, China | Grady Jack Riegert | Eden Prairie, Minn. |
| | Jacob Randall Heinberg | Marengo, Ill. | Eric Daniel Riesberg | Elk River, Minn. |
| *** | Daniel Mark Hemken | Manitowoc, Wis. | Colton Lynn Roberts | Bloomfield, Iowa |
| | Mark Joseph Hopp | Bartlett, Ill. | Zachary Samuel Rockwell | East Peoria, Ill. |
| ** | Chaoyue Huang | Shanghai, China | Ross A. Rohe | Manning, Iowa |
| | Evan T. Jaeger | Pine Island, Minn. | Kevin Matthew Ross | Bloomington, Minn. |
| * | Walter Monroe Jankowski | Morton, Ill. | ** Shannon Margaret Roth | St. Paul, Minn. |
| | Jordan Ashley Jensen | Phoenix, Ariz. | Thomas Michael Ryan | Council Bluffs, Iowa |
| | Tyler James Johnson | Washington, Ill. | ** Prahlad Rajiv Saggere | India |
| | Russell Edward Jones III | Huxley, Iowa | Kuldeep Kumar Saini | Davenport, Iowa |
| | Weston Earl Jones | Knoxville, Iowa | Noah Michael Salmonson | Muscatine, Iowa |
| | David Lee Kadlec | Bloomington, Minn. | Omar Sanousi S. Sanousi | Sabha, Libya |
| | Clint Richard Kassmeyer | Ankeny, Iowa | *† Ryan Thomas Saunders | Geneva, Ill. |
| | Justin Patrick Keen | St. Charles, Ill. | Trevor Michael Sawatzky | Ankeny, Iowa |
| | Cade Gregory Kiddoo | De Soto, Iowa | Cole Andrew Scheffler | Harlan, Iowa |
| | Kevin Scott Knirr | Bettendorf, Iowa | Hunter W. Schmitt | Dallas Center, Iowa |
| | Ryan William Kokjohn | Boone, Iowa | Lucas John Schmitt | Liscomb, Iowa |
| ** | Zachary M. Kooistra | Le Mars, Iowa | Emma Elizabeth Schmitz | Cedar Falls, Iowa |
| | Austin Kory | Chesterfield, Mo. | Brendan Joseph Schuler | Edwards, Ill. |
| | | | Landon Martin Schulteis | Greenfield, Iowa |
| | | | John Richard Scovil | Champlin, Minn. |

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

| | | | |
|--------------------------|-------------------------|--------------------------|------------------------|
| Paul John Seifert | Cedar Rapids, Iowa | Cole Marcus Van Lent | West Des Moines, Iowa |
| Carson J. Shollenbarger | Colorado Springs, Colo. | ** Matthew Alan Vest | Madrid, Iowa |
| Samuel Joseph Slagle | Blue Grass, Iowa | *** Evan Matthew Volkens | Williamsburg, Iowa |
| Grant K. Stanton | St. Michael, Minn. | Patrick H. Vorthmann | Treynor, Iowa |
| Courtney Steege | Denver, Iowa | Joshua Timothy Wagner | Faribault, Minn. |
| Jacob Alan Stoll | Newhall, Iowa | Wan Afifuddin Wan Jaffar | Ames, Iowa |
| * Kevin Andrew Strohm | Sycamore, Ill. | Eric B. Weirup | Delmar, Iowa |
| * James Edward Stroncek | St. Anthony, Minn. | Samuel Joseph Wendt | Omaha, Neb. |
| Ashwin Suresh | Jakarta, Indonesia | ** James Jeffrey Wenzel | Springville, Iowa |
| * Arthur John Swanson | Elgin, Ill. | Ryan Leland Williams | Houston, Tex. |
| * Joseph Benjamin Talley | Marion, Iowa | Seth Kenclair Woolston | Boone, Iowa |
| ** Kai Liang Tan | Malaysia | Michael Todd Wuestenberg | Huxley, Iowa |
| ** Cole J. Tenold | Perry, Iowa | * Wenrui Ye | Dalian, China |
| Nicholas Robert Terronez | Grayslake, Ill. | ** Tyler Allen Young | Rock Port, Mo. |
| Daniel James Thielen | Buffalo, Minn. | Jeremy Marcel Zeis | Mendota Heights, Minn. |
| *** Alex Reed Tietz | Cedar Rapids, Iowa | Brendan Scott Zimmerman | La Salle, Ill. |
| Jared Morley Trent | Ankeny, Iowa | | |

Curriculum in Software Engineering

| | | | |
|---------------------------|-------------------|---------------------------|---------------------|
| Daniel Joseph Albers | Ankeny, Iowa | Ken Richard Kohl | Storm Lake, Iowa |
| *** Davis A. Batten | Fremont, Neb. | Stefan Alexander Kraus | Ames, Iowa |
| Bryce Logan Beougher | Slater, Iowa | * Jordan Anthony Lawrence | North English, Iowa |
| ** Joseph William Elliott | Eldridge, Iowa | Jeffrey Daniel Murray | Ames, Iowa |
| Joshua Timothy Engelhardt | Elkader, Iowa | * Benjamin Isaac Nelson | Clear Lake, Iowa |
| Austin Michael Euchner | Harlan, Iowa | Brian Alvin Rye | Urbandale, Iowa |
| Benjamin Lee Fenton | Eddyville, Iowa | *** Mark Edward Sauber | Johnston, Iowa |
| Jacob S. Frazier-Flores | San Diego, Calif. | Jeffery Craig Schons | Marion, Iowa |
| Nicholas Joseph Gerleman | Des Moines, Iowa | * David Alexander Schott | Dusseldorf, Germany |
| Greg Thomas Harris | Caledonia, Ill. | Gregory C. Steenhagen | Roland, Iowa |
| Ian A. Harris | Waterloo, Iowa | * Anne Marie Tesar | Clear Lake, Iowa |
| Brandon Huegli | Mason City, Iowa | Chidike Ubani | Maplewood, Minn. |
| Samuel Lincoln Jackson | Ames, Iowa | * Sander A. Vanwilligen | Ainsworth, Iowa |
| Sean Jellison | Clarence, Iowa | Juan Manuel Venegas III | Houston, Tex. |

Multiple Curricula and Majors

| | | | |
|---|---------------------|---|-----------------|
| Elli Margaret Abel | Cedar Rapids, Iowa | ** Nickolas Hans Kraus | Ames, Iowa |
| Mechanical Engineering and Environmental Studies | | Aerospace Engineering and Liberal Arts and Sciences: Major in World Languages and Cultures (German) | |
| Michaela Jo Craigmile | Waukee, Iowa | Elena Paige Schneiderhan | Carver, Minn. |
| Materials Engineering and Liberal Arts and Sciences: Major in World Languages and Cultures (German) | | Industrial Engineering and Liberal Arts and Sciences: Major in World Languages and Cultures (Spanish) | |
| ***† Michael Davies | Cedar Rapids, Iowa | Jacob Thomas Weber | Middleton, Wis. |
| Computer Engineering and Liberal Arts and Sciences: Major in Mathematics | | Mechanical Engineering and Liberal Arts and Sciences: Major in World Languages and Cultures (German) | |
| Nicholas George Gartelos | Marion, Iowa | ** Andrew John Zellar | Eagan, Minn. |
| Mechanical Engineering and Liberal Arts and Sciences: Major in World Languages and Cultures (Spanish) | | Computer Engineering and Liberal Arts and Sciences: Major in World Languages and Cultures (Spanish) | |
| Lauren Nicole Griffin | Eden Prairie, Minn. | | |
| Mechanical Engineering and Liberal Arts and Sciences: Major in World Languages and Cultures (Spanish) | | | |

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

CANDIDATES FOR DEGREES FROM THE COLLEGE OF HUMAN SCIENCES

BACHELOR OF SCIENCE

Curriculum in Apparel, Merchandising, and Design

| | | | |
|------------------------------|----------------------|-------------------------------|-----------------------|
| Ashley Marie Claus | Spencer, Iowa | * Ellen M. McCauley | Cedar Rapids, Iowa |
| Bridget Coulter | Melbourne, Iowa | Darrin Mell | Ames, Iowa |
| Seth Yung Min Lee Dickinson | Keosauqua, Iowa | * Emilee Rose Meyer | Ankeny, Iowa |
| Lea Rayner Dochterman | Marion, Iowa | Karter G. Miller | Latimer, Iowa |
| ** Jessica Taylor Dyer | Springfield, Ill. | Hannah L. Morris | Marion, Iowa |
| Jessica Joline Eberl | Underwood, Iowa | Madeline Marie Norris | Ankeny, Iowa |
| Sydney Lannette Esary | Tabor, Iowa | Kelly Jo Ohlin | Excelsior, Minn. |
| *** Claire Elizabeth Espeset | Ames, Iowa | Emily Ann Olson | Urbandale, Iowa |
| Gladys G. Gonzalez | Des Moines, Iowa | Sierra Jean Pauley | Denison, Iowa |
| Courtney Noel Hackett | Marion, Iowa | Destinie Phomsouvanh | Spirit Lake, Iowa |
| Dylan D. Heyer | Council Bluffs, Iowa | Renee N. Pins | Manchester, Iowa |
| Paige Morgan Highland | Webster City, Iowa | Johanna Renee Roberts | West Des Moines, Iowa |
| ** Anna Marie Hubbard | Cedar Falls, Iowa | Kylie Lynn Schneider | Golden Valley, Minn. |
| Jordan C. Hullinger | Davis City, Iowa | Christopher William Sible | Oregon, Ill. |
| * Samuel John Iverson | Decorah, Iowa | Whitney Nicole Smith | Springville, Iowa |
| Douglas Lee Jones | Britt, Iowa | Susan May Van Helten | Waverly, Iowa |
| Elizabeth Kane-Cutsforth | Waterloo, Iowa | ** Elizabeth Rachel Vorreiter | Wheaton, Ill. |
| Marissa Elizabeth Keller | Deep River, Iowa | Maya Grace Wharton | River Falls, Wis. |
| ***† Allison Faye Kirstukas | Ames, Iowa | Kaitlyn Marie White | Dubuque, Iowa |
| Taylor Marie Lynne Kresge | Sycamore, Ill. | Kaiyue Yang | Xi'an, China |
| *** Olivia Lauren Kutsch | Maquoketa, Iowa | | |

Curriculum in Child, Adult, and Family Services

| | | | |
|---------------------------|-------------------------|----------------------------------|----------------------|
| Katlyn Rose Carr | Slater, Iowa | Cassidy Lynn Markert | Battle Creek, Iowa |
| Danielle Nicole Cook | Muscatine, Iowa | ** Hannah O. McCoid | Ankeny, Iowa |
| Katherine Ann Culpepper | Hiawatha, Iowa | Christina Gabrielle Mens | Slater, Iowa |
| ** Richard Wayne Drummer | Marshalltown, Iowa | Brittany Francisca Zhane Pernell | |
| Alexis Simone Ferrell | Des Moines, Iowa | Jillian Claire Picht | Davenport, Iowa |
| Lauren Jane Franke | Nora Springs, Iowa | Judith Erika Reyes | Iowa Falls, Iowa |
| Cassie April Fuerstenberg | Wilmont, Minn. | Amber Lynn Rissman | Waukon, Iowa |
| Phoebe Jane Grimmer | Mount Pleasant, Iowa | Hannah M. Robison | Richland, Iowa |
| *** Kailey Raienne Guild | New Hartford, Iowa | ** Kendra Marie Rooney | Robbinsdale, Minn. |
| Jody Marie Hagedorn | Irwin, Iowa | Pastor Carlos Rosales | Denison, Iowa |
| Kylie Rae Hermesch | Cedar Rapids, Iowa | Nicolette M. Sansone | Hawthorn Woods, Ill. |
| Chloe Marie Hindman | Ankeny, Iowa | ** Kari Rachelle Selken | |
| Kassandra Jane Jahangir | Elgin, Ill. | ** Katherine Anne Sterk | Johnston, Iowa |
| Kimberly Kay Johnson | Des Moines, Iowa | * Kimberly Anne Suckow | Norwalk, Iowa |
| *** Hunter Rachelle Jud | Knierim, Iowa | Kaylee Kristine Ticer | Treynor, Iowa |
| Jonathan David Kreye | Hudson, Wis. | * Bethany M. Weltzin | Brandon, Iowa |
| *** Ashley Ann Kubby | Des Moines, Iowa | Samara L. West | Omaha, Neb. |
| Grace Marie Loeschke | Saint Louis Park, Minn. | | |

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Curriculum in Culinary Science

Benjamin Tyler Cool Iowa City, Iowa Stephanie K. Shinrock Marion, Iowa

Curriculum in Diet and Exercise

Morgan Nichole Morse Altoona, Iowa ** Claudia Nelson Chippewa Falls, Wis.

Curriculum in Dietetics

* Allison Kay Jaeger Lisbon, Iowa Alexis Jackilee Stoneking La Crosse, Wis.
Brittany Kay Pittman Denison, Iowa

Curriculum in Early Childhood Education

* Chelsea Lynn Armstrong Nevada, Iowa Lauren Ashley Reid Crystal Lake, Ill.
***†Adria Anne Bechthold La Porte City, Iowa ***†Kayla Ann Rusher Des Moines, Iowa
* Lauren Merrick Ernst Eden Prairie, Minn. * Kelly Lauren Stocker Naperville, Ill.
Megan Elizabeth Fisher Lemont, Ill. * Annee Christine Wengert Ames, Iowa

Curriculum in Elementary Education

Nicole Sue Anderson New Hampton, Iowa Alison Ryan Kron Sandy Hook, Conn.
** Megan Marie Ball Tiffin, Iowa * Josephine Virginia Laska Cedar Rapids, Iowa
* Bradi Marie Baschke Spencer, Iowa ** Lindsay Jo Laske Grayslake, Ill.
** Brooke Cheri Bleeker Rochester, Minn. * Laura Lynne Lee Huxley, Iowa
** Katelyn Brandenburg Clive, Iowa * Carly Joanna Lindholm Ogden, Iowa
*** Susan Fisher Brown Des Moines, Iowa Allison Paige Lovan West Des Moines, Iowa
Warren Michael Brown Granger, Iowa *** Malorie Lorelle Maerz Keokuk, Iowa
** Steven W. Burianek Ames, Iowa Morgan Ashley Mann Newton, Iowa
* Cassandra E. Cahill Waukee, Iowa ** Kayla Sue Meeker Elkhart, Iowa
* Kaylea M. Carico Ankeny, Iowa * Haley Michelle Morris Urbandale, Iowa
* Brooke Taylor Chrisman Knoxville, Iowa Lauren Diane Nachman Cedar Rapids, Iowa
* Catlyn Marie Cox Rock Island, Ill. * Mollie Kay Osterman Dows, Iowa
Jeanette E. Davis Clear Lake, Iowa ** Karly Jo Palmer Johnston, Iowa
Amanda Nicole Delzell Sioux City, Iowa Moriah Kay Perkins McCook Lake, S. Dak.
* Lucia C. Drill-Mellum Waconia, Minn. *** McKenzie Mari Potter Cedar Rapids, Iowa
Ashley Marie Frimml Atkins, Iowa ** Kathleen Ann Robertson Madrid, Iowa
* Sara Marie Frits Iowa City, Iowa ** Audra Kathleen Schminke Marion, Iowa
Anita Marie Fryzek Edina, Minn. Alexandra Marie Selliris Hudson, Wis.
Amanda K. Gold Runnells, Iowa * Brooke Renae Selvage Indianola, Iowa
** McKenzie M. Goudreau Appleton, Wis. Aaron Francis Sewell West Des Moines, Iowa
*** Alayna Marie Graeve Ankeny, Iowa * Samantha Ann Snidarich Maple Grove, Minn.
** Emily Jane Hall Ames, Iowa ** Madison Lynn Swanson Boone, Iowa
* Meg Alyssa Hanson Hampton, Iowa Madelaine Marie Thomas Dubuque, Iowa
Aaron Jacob Hauser Vernon Hills, Ill. *** Dawn M. Thompson Wadena, Iowa
Rachel Lynn Heberly Runnells, Iowa ** Jenna Grace Thul Algona, Iowa
Samantha Jo Hemann Stacyville, Iowa Abbey May Vitosh Iowa City, Iowa
Dylan Delbert Hupke Battle Creek, Iowa ** Alicia Kylie Wallin Iowa City, Iowa
Amber Marie Jett West Chicago, Ill. Zachary Louis Weilbacher Bloomington, Ill.
* Rachel Mary Joens Sioux City, Iowa * Jessica Rose Wolken Donnellson, Iowa
Taylor Nicole Jones Waukee, Iowa *** Rachel Ann Zimmerman Westphalia, Iowa
Chloe Rebecca Kaiser Aurora, Iowa ** Meaghan Lynn Zmolek Jefferson, Iowa
Morgan Elizabeth Kolarik Marion, Iowa

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Curriculum in Event Management

| | | | |
|---------------------------|--------------------|----------------------------|------------------------|
| Mercedes Jane Boess | Hawkeye, Iowa | * Paige Nicole Meyer | North Liberty, Iowa |
| Brooke Emiko Boyer | Johnston, Iowa | Tori Lee Monroe | Ames, Iowa |
| ** Andra Joelle Castle | Ames, Iowa | Emma Kay Monthei | Johnston, Iowa |
| Olivia Catherine Delanghe | Burnsville, Minn. | Kelly J. Nee | Hampton, Iowa |
| Kayla Amber DeMoss | Dubuque, Iowa | Danielle Rebecca Nygard | Garner, Iowa |
| Alyssa Rose Dragin | Antioch, Ill. | Jillian Ralke | Woodland Hills, Calif. |
| Shannon Marie Ewing | Pella, Iowa | Tanna Nicole Schill | Urbandale, Iowa |
| ** Alexis Breanna Garland | Ankeny, Iowa | * Anna Marie Schulte | Fairfax, Iowa |
| Taylor Nicole Gilleeny | Setauket, N.Y. | Hannah Christine Spurr | Norwalk, Iowa |
| Shannon Read Hallisey | Durand, Ill. | Amy Jolynn Strandell | Eldora, Iowa |
| Caitlyn Nicole Hassebrock | Blairsburg, Iowa | Emily A. Tunender | Norwalk, Iowa |
| * Megan L. Huftalin | Osage, Iowa | Allison Ann Voth | Stillman Valley, Ill. |
| * Abby Jo Johnson | Geneseo, Ill. | * Kathryn Paige Waddingham | Ankeny, Iowa |
| ** Mackenzie Lea Jordan | Cedar Rapids, Iowa | * Abigail A. Weatherwax | Ankeny, Iowa |
| Alyse Marie Kjormoe | Ackley, Iowa | Alexandrea Marie Weese | Des Moines, Iowa |
| Dixie Lea Lauesen | Sanborn, Iowa | Rhetta Nicole Wenk | Marshalltown, Iowa |
| Kelly Josephine McCurdy | Russell, Iowa | *** Ashli N. Williams | Durant, Iowa |

Curriculum in Family and Consumer Sciences Education and Studies

| | | | |
|----------------------------|--------------------|---------------------------|-----------------------|
| * Brynna Rose Baumhover | Storm Lake, Iowa | * Merideth Anne Nichols | Nichols, Iowa |
| * Madison Mckay Heidebrink | Le Mars, Iowa | ** Jodie Lee Schabillion | Baxter, Iowa |
| Rebecca Anne Kenealy | Waverly, Iowa | ** Zoey Isabel Sternquist | Waukee, Iowa |
| Melissa D. McCord-Holle | Burlington, Iowa | Caitlin Marie Trom | Hoffman Estates, Ill. |
| ** Katie Ann Meyers | West Liberty, Iowa | Mckane Emerson Wells | Milton, Iowa |

Curriculum in Financial Counseling and Planning

| | | | |
|-----------------------|---------------|---------------------|---------------|
| Korie Nicole Doescher | Clinton, Iowa | ***†Rebecca Ann Ray | Weslaco, Tex. |
| Brett Austin Holtorf | Pomeroy, Iowa | Dena Mazen Tadros | Ames, Iowa |

Curriculum in Food Science

| | | | |
|---------------------|----------------|-------------------------|----------------------|
| Nicholas James Cook | Leawood, Kans. | *** Lih Peng Siyu | Batu Pahat, Malaysia |
| Kim Phung Lam | Altoona, Iowa | ** Samantha L. Zbaracki | New Hope, Minn. |

Curriculum in Hospitality Management

| | | | |
|---------------------------|---------------------|-------------------------|------------------|
| Kyndal Rae Bartels | Gilbertville, Iowa | ** Matthew A. Ocheltree | Mason City, Iowa |
| Genevieve Aurelia Bonczyk | Crystal Lake, Ill. | Kyle Jacob Sandry | Davenport, Iowa |
| Malcolm Anthony Carter | Chicago, Ill. | Mary Nguyen Tong | Des Moines, Iowa |
| Clinton Dailey | Virginia Beach, Va. | * Meiling Zeng | Guangdong, China |
| ** Yuzhu Jiang | Xuzhou, China | Xiao Zhang | Shenyang, China |

Curriculum in Kinesiology and Health

| | | | |
|---------------------------|-------------------------|------------------------------|-----------------------|
| Jordan Parker Anderson | Des Moines, Iowa | * Crystal Jade Mensen | Decorah, Iowa |
| Kerri Ann Anderson | Kanawha, Iowa | Ryan John Montgomery | Council Bluffs, Iowa |
| Jolene Renea Bowman | Manson, Iowa | Elizabeth Ann Mulder | Adair, Iowa |
| Natalie Calderon | Sioux City, Iowa | Carly Joy Nekvinda | Allerton, Iowa |
| Ciara Renate Capezio | Williams Bay, Wis. | Brendan Robert O'Connor | Naperville, Ill. |
| Eric Eduardo Cardenas | Denison, Iowa | ** Christian Lee Ostrander | Norwalk, Iowa |
| Clinton Richard Clark | Sidney, Iowa | Scott Michael Parmer | South Elgin, Ill. |
| Madison Clark | Des Moines, Iowa | Chase M. Petersen | Audubon, Iowa |
| Kelsey Lynn Cohoon | Des Moines, Iowa | Demi Lee Plathe | Grimes, Iowa |
| John Francis Conway | Cedar Falls, Iowa | Matthew James Poczatek | Schaumburg, Ill. |
| Robert Cordes | Polk City, Iowa | Madisen C. Quick | Des Moines, Iowa |
| Judith A. Craig | Charlotte, Iowa | Tyler Michael Raygor | Council Bluffs, Iowa |
| Gabriel Alberto Cruz | Guaynabo, Puerto Rico | Eric J. Reents | Naperville, Ill. |
| Samuel James Doyle | Minnetonka, Minn. | Matthew Kyle Rewerts | Ackley, Iowa |
| Matthew Bryan Eaton | Clive, Iowa | Steven John Richardson | Story City, Iowa |
| David C. Egli | Fort Dodge, Iowa | ** Claudia Rodriguez | Council Bluffs, Iowa |
| * Mikhaila Marie Fossing | Excelsior, Minn. | Richard C. Ronan | Loves Park, Ill. |
| Laura Helen Friedrich | Ames, Iowa | * Briana Dawn Sauder | Raymond, Wis. |
| Peter Frank Gallos | Lake Villa, Ill. | Dylan J. Schilling | Jefferson, Iowa |
| Jessica Lynne Gray | Britt, Iowa | *** Elly Christine Schroeder | Guttenberg, Iowa |
| Sam John Hambrecht | Adel, Iowa | Alexi Nicole Seely | Norwalk, Iowa |
| Kimberlie Kay Hodne | Manning, Iowa | Sierra Ty'ana Singleton | Des Moines, Iowa |
| Allison Margie Johnson | Cedar Rapids, Iowa | Chelsey A. Stamper | Waukon, Iowa |
| Brianna Niche Johnson | Haslet, Tex. | Daniel L. Thronson | Fort Atkinson, Iowa |
| ** Alicia Anne Jorgenson | Estherville, Iowa | ***† Paige Elizabeth Vaden | Johnston, Iowa |
| * Danielle Elizabeth Kern | State Center, Iowa | * Nicholas Voke | Auckland, New Zealand |
| Taylor J. Krauss | Wheaton, Ill. | Jordan Nicole Wendland | Plainfield, Ill. |
| Jordan Nicole Larson | Grayslake, Ill. | Melissa Joy Wilde | Gilbert, Ariz. |
| Samantha Ann Larson | Humboldt, Iowa | Abigail Morgan Williams | West Des Moines, Iowa |
| Jakub Max Las | Arlington Heights, Ill. | Kiearrah Nicole Williams | Davenport, Iowa |
| ** Bennett James Luedtke | Muscatine, Iowa | Ryan D. Williams | Fontanelle, Iowa |
| Rachel Cheri McPherson | Des Moines, Iowa | Isaac M. Wilmot | Kansas City, Mo. |

Curriculum in Nutritional Science

| | | | |
|--------------------|-------------------|-----------------------|-------------------|
| Jessica Lynn Craig | Burnsville, Minn. | Joseph William Gregor | River Falls, Wis. |
| Miranda K. Davis | Decatur, Neb. | Abigail Marie Krone | Omaha, Neb. |
| Maggie Joy Deskin | Waukee, Iowa | | |

Multiple Curricula and Majors

| | | | |
|---|-------------------|--|--------------|
| Morgan Elaine Iske | Baxter, Iowa | Andreana Rose Schlegel | Galena, Ill. |
| Event Management and Hospitality Management | | Child, Adult, and Family Services and Liberal Arts and Sciences: Major in Interdisciplinary Studies (Criminology and Criminal Justice) | |
| Rachel Linn Jacobson | Bridgewater, Iowa | | |
| Event Management and Hospitality Management | | | |

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

CANDIDATES FOR DEGREES FROM THE COLLEGE OF LIBERAL ARTS AND SCIENCES

BACHELOR OF ARTS

Major in Advertising

| | | | |
|---------------------------|--------------------|---------------------------|------------------------|
| Alex Allen Beach | Sioux City, Iowa | Hochul Kim | Seoul, South Korea |
| * Kayla Joann Benefiel | Muscatine, Iowa | * Cassidy Hart Longnecker | Clive, Iowa |
| Matthew C. Chatman | Polk City, Iowa | Jared Edward Meadowcroft | Adel, Iowa |
| Jessica Ann Dotts | Urbandale, Iowa | Alec William Norem | Goldfield, Iowa |
| *** Brooke Erin Engelstad | Ankeny, Iowa | Ashley Marie Parry | Bettendorf, Iowa |
| Michael James Englund | Urbandale, Iowa | Jonathon Seth Saveraid | West Des Moines, Iowa |
| Hunter James Frank | Evansdale, Iowa | Jeilah Elizabeth Seely | Des Moines, Iowa |
| Corey Junior Hagerman | Central City, Iowa | * Shelby Marie Stites | Ankeny, Iowa |
| James Richard Huisman | Lombard, Ill. | ** Pei Chi Teh | Kuala Lumpur, Malaysia |
| Abby Evelyn Johnson | Elkhorn, Neb. | * Toni Marie Ugolini | Polk City, Iowa |
| David Kang | Ames, Iowa | Joseph Daniel Waber | Wheaton, Ill. |

Major in Biological/Pre-Medical Illustration

| | | | |
|-----------------------|-----------------|--------------------|--------------|
| * Taylor Nicole Brown | Urbandale, Iowa | Nhu-Ngoc Pham Doan | Eagan, Minn. |
|-----------------------|-----------------|--------------------|--------------|

Major in Chemistry

| | | | |
|------------------------|----------------|--------------------------|----------------|
| Christina Marie Kindle | Bartlett, Ill. | Margaret Louise Standish | Johnston, Iowa |
|------------------------|----------------|--------------------------|----------------|

Major in Communication Studies

| | | | |
|-------------------------|----------------------|---------------------------|-----------------------|
| * Alexis Rae Atkinson | Clear Lake, Iowa | Ryan Christopher Morabito | Libertyville, Ill. |
| Michael David Barbaglia | Ames, Iowa | Katelyn Cora Moran | Madrid, Iowa |
| Ian Edward Begg | Ankeny, Iowa | Mary Ellice Pearson | Winterset, Iowa |
| Aaron James Bird | Emmetsburg, Iowa | * Riley Catherine Radach | Prior Lake, Minn. |
| Madison Blum | Wall Lake, Iowa | Riley James Rasmussen | West Des Moines, Iowa |
| Madeline M. Cornish | Norwalk, Iowa | Miranda Maxene Redalen | Exira, Iowa |
| Zachary Taylor Everett | Wayzata, Minn. | Maxwell Brandt Schaefer | Des Moines, Iowa |
| Tiffany Joy Fraaken | Forest City, Iowa | Makayla Jean Skjefte | Shakopee, Minn. |
| Carly Louise Hubbard | Webster City, Iowa | Matthew Lee Sliter | Blairstown, Iowa |
| Sara Ann Hunemiller | Pleasant Hill, Iowa | Shelby Nicole Talton | Urbandale, Iowa |
| Anna Marie Mae Lawrence | Des Moines, Iowa | Mariah Thompson | Minnertonka, Minn. |
| Allen Jamel Lazard | Urbandale, Iowa | Kyler Edmond White | Ankeny, Iowa |
| Molly Kathleen Martin | Council Bluffs, Iowa | * Yiyuan Zhang | Changsha, China |

Major in Criminal Justice Studies

| | | | |
|-------------------------|-----------------|--------------------|---------------|
| Anna F. Goldsworthy | Johnston, Iowa | Megan Marie Newton | Adel, Iowa |
| Matthew David Kronfeld | Davenport, Iowa | Adrian Rico | Spencer, Iowa |
| Scott Alexander Lindley | Douds, Iowa | | |

Major in English

| | | | |
|------------------------------|------------------|------------------------------|---------------------|
| * Emma Christine Bedard | Fairfax, Iowa | Nelson Andrés Del Valle Cruz | Caguas, Puerto Rico |
| Tristan James Beghtol | Marion, Iowa | Monika L. Gorham | Roscoe, Ill. |
| Zachary Adam Carpe | Urbandale, Iowa | * Bevin Jean Griffen | Red Oak, Iowa |
| *** Charlie Mae Christianson | Lake Mills, Iowa | Daniel Christopher Happe | Urbandale, Iowa |
| Bradley Keith Collings | Des Moines, Iowa | Allison Marie Hulshof | Ireton, Iowa |
| Michael Thomas Courtney | Des Moines, Iowa | | |

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

| | | | |
|---------------------------|--------------------|--------------------------|-----------------------|
| * Stephanie Justine Kubik | Des Moines, Iowa | Nicholas Andrew Pigott | West Des Moines, Iowa |
| Sarah Desiree Lyall | State Center, Iowa | Zachary Daniel Robertson | Madrid, Iowa |
| Bailey Alexis Lyons | Vinton, Iowa | *** Noah R. Ronnfeldt | Williams, Iowa |
| Amanda Hope Meyer | Perry, Iowa | * Emily Ann Rothfus | Grimes, Iowa |
| ** Nicole Rene Miller | Boone, Iowa | Diane M Watson | Des Moines, Iowa |
| Logan T. Neades | Des Moines, Iowa | Casey Ray White | Clive, Iowa |

Major in History

| | | | |
|----------------------------|------------------|------------------------|---------------|
| Cierra N. Featherstone | Des Moines, Iowa | Benjamin James Schwake | Altoona, Iowa |
| * Allyson Christine Kocour | Manning, Iowa | | |

Major in Interdisciplinary Studies (Criminology and Criminal Justice)

| | | | |
|-----------------------------|---------------------|---------------------------------|--------------------|
| Blayne Wyatt Briceño | Simi Valley, Calif. | Blake Lipzinski | Johnston, Iowa |
| Mitchell Gene Carpentier | Fort Dodge, Iowa | Haili Jo Matlock | Donnellson, Iowa |
| * Carly Anne Colville | Colfax, Iowa | Aaron Reese Peter | Prairie City, Iowa |
| Kamari Cotton Moya | Bakersfield, Calif. | * Andrew Reed Talbert | Marshalltown, Iowa |
| Austin Jacob Cunningham | Ankeny, Iowa | Madison Jo Thieman | Marble Rock, Iowa |
| Blake Allan Davis | Waukee, Iowa | Sethethel Moriah Simpson Watson | Lancaster, Tex. |
| ** Abbie Lyn DeWitte | Brooklyn, Iowa | Tiffany Jo Wittrock | Audubon, Iowa |
| * Kylie Marie Guldenpfennig | Fort Dodge, Iowa | Paul Michael Wiza | Oconomowoc, Wis. |
| * Aubrey Destiny Hastings | Ankeny, Iowa | | |
| Zachary S. Johnson | Huxley, Iowa | | |

Major in Linguistics

| | | | |
|---------------------|------------------|----------------------|------------------|
| Jasper Daniel Abarr | Redding, Iowa | Hannah Marie Whipple | Story City, Iowa |
| Brooke Ashley Adams | Oak Forest, Ill. | * Benjamin Walter Wu | Taitung, Taiwan |
| Melanie Amber Pope | Des Moines, Iowa | | |

Major in Music

| | | | |
|----------------------|------------------|-------------------------|-----------------|
| Daniel Sean Comito | Des Moines, Iowa | Braeden Wesley Irvine | Schleswig, Iowa |
| Marcus Stephen Cross | Boone, Iowa | *** Brandon Kent Waring | Walker, Iowa |
| Nathanael Hardy | Prole, Iowa | | |

Major in Performing Arts

| | | | |
|-------------------------------------|------------------|-------------------------|-----------------|
| Tympest Kay Lin Crawford | Fairfield, Iowa | * Taylor Delaney Millar | Ankeny, Iowa |
| * Emmy Rose Cuvelier | Collins, Iowa | Merideth Michelle Raine | Logan, Iowa |
| Madeline Elizabeth Aziza El-Baroudi | Des Moines, Iowa | Wesley John Tener | Riverside, Iowa |

Major in Philosophy

| | | | |
|------------------------------|-----------------|---------------------|------------------|
| Zachary Adam Carpe | Urbandale, Iowa | Seth Taylor Mumford | Bettendorf, Iowa |
| Russell Gordon Marquardt | Elk Horn, Iowa | Bryce D. Uhlenberg | Red Oak, Iowa |
| Andrew Jonathan Cassel Meyer | Ames, Iowa | | |

Major in Political Science

| | | | |
|--------------------------|--------------------|-----------------------|--------------------|
| * Jillian Craig Carlson | Clive, Iowa | Seth Tyler Marvin | Charles City, Iowa |
| Mitchell Gene Carpentier | Fort Dodge, Iowa | Drew Thomas Mason | Chandler, Ariz. |
| Robinson J. De Penning | Roland, Iowa | Austin Travers Nixon | Waukee, Iowa |
| Alex John Eliason | Loretto, Minn. | *** Emily Sara Tosoni | Elkhorn, Neb. |
| Zach Andrew Gothard | Cedar Rapids, Iowa | Ethan Lowell Vaughn | Ames, Iowa |
| Nigel R. Hanson | Everly, Iowa | Amanda Michelle Warin | Pella, Iowa |
| Danielle Kay Mahnke | Fairfax, Iowa | Paul Michael Wiza | Oconomowoc, Wis. |

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Major in Psychology

| | | | |
|---------------------------|--------------------|---------------------------|-----------------------|
| Alexander Joseph Bishop | Altoona, Iowa | Ryan Patrick Leon | West Des Moines, Iowa |
| Emily Joan Elm | Webster City, Iowa | Deon Isaiah McCray | Eagan, Minn. |
| Abigail Lynn Epperson | Des Moines, Iowa | * Sarah L. Rasmussen | Goldfield, Iowa |
| Stephanie Denise Jenson | Pisgah, Iowa | Jordan Lee Sexton | Ames, Iowa |
| Caroline Julie Koekenhoff | Graettinger, Iowa | Devin Nicholas Waterhouse | Iowa City, Iowa |

Major in Sociology

| | |
|---------------------------|---------------|
| Trayvon Alexzander Weaver | Clinton, Iowa |
|---------------------------|---------------|

Major in Speech Communication

| | | | |
|------------------------|------------------|----------------------|-----------------------|
| Dominic Robert Cassatt | Bettendorf, Iowa | Emma Celeste Schulte | West Des Moines, Iowa |
| Dustin Allen Galvin | Shueyville, Iowa | | |

Major in Women's Studies

| | |
|---------------------|--------------|
| * Emily Ann Rothfus | Grimes, Iowa |
|---------------------|--------------|

Major in World Languages and Cultures (French)

| | | | |
|---------------------|------------------|--------------------|-----------------|
| Brooke Ashley Adams | Oak Forest, Ill. | Brooke Anne Begich | Woodbury, Minn. |
|---------------------|------------------|--------------------|-----------------|

Major in World Languages and Cultures (German)

| | | | |
|-------------------------|---------------|------------------------|-----------------|
| Tammy Joy Barker | Denver, Iowa | Thomas Douglas Hosteng | Galesburg, Ill. |
| Justin Michael Cavanagh | Denver, Colo. | | |

Major in World Languages and Cultures (Spanish)

| | | | |
|-----------------------------|--------------------|-----------------------|--------------------|
| Sarah Nicole Allen | Marshalltown, Iowa | McKenzie M. Theisen | Le Mars, Iowa |
| ** Rachel Grace Conn | Centennial, Colo. | * Faith Van Wyngarden | Pella, Iowa |
| ** Ian Casey Graham | Bettendorf, Iowa | Jenna Wilkinson | Independence, Iowa |
| ** Allison Elizabeth Kerper | Ankeny, Iowa | | |

Multiple Curricula and Majors

| | | | |
|--|-------------------------|---|-------------------|
| Autumn Rayn Anderson | Boone, Iowa | * Andrew Fackler | Lake Zurich, Ill. |
| Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology | | Political Science and Environmental Studies | |
| * Michelle Lea Becker | Cedar Rapids, Iowa | Pierce Julian Fieldsend | Des Moines, Iowa |
| English and History | | Political Science and World Languages and Cultures (Spanish) | |
| * Taylor N. Blatchford | Woodbury, Minn. | Kalyn Ann Gallup | Ames, Iowa |
| Communication Studies and Interdisciplinary Studies (Criminology and Criminal Justice) | | English and Linguistics | |
| Kyle Peter Bodley | Columbia Heights, Minn. | Robert Garcia IV | Tampa, Fla. |
| Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology | | Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology | |
| ** Hannah Marie Brown | Kansas City, Mo. | *** Carter John Hand | Clear Lake, Iowa |
| Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology | | Interdisciplinary Studies (Criminology and Criminal Justice) and Psychology | |

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

- Derrick Lee Hinton II *Clear Lake, Iowa*
World Languages and Cultures (Spanish)
and International Studies
- ** Morgan Noelle Isaac *New Virginia, Iowa*
Interdisciplinary Studies (Criminology and
Criminal Justice) and Sociology
- Maleah Novella Kern *Muscatine, Iowa*
Psychology and Criminal Justice Studies
- Ethan Michael Lamm *Mediapolis, Iowa*
Interdisciplinary Studies (Criminology and
Criminal Justice) and Sociology
- Boyd Jared Marquis *Iowa Falls, Iowa*
Interdisciplinary Studies (Criminology and
Criminal Justice) and Sociology
- Terrell Steven Mingo *Chicago, Ill.*
Interdisciplinary Studies (Criminology and
Criminal Justice) and Sociology
- ** Samantha Therese Nimmo *Ames, Iowa*
English and Women's Studies
- Mark Christopher Scaffidi *Cedar Rapids, Iowa*
Interdisciplinary Studies (Criminology and
Criminal Justice) and Sociology
- ** Allison Marie Schwach *Cedar Rapids, Iowa*
Interdisciplinary Studies (Criminology and
Criminal Justice) and Sociology
- Blake Ford Singbush *Johnston, Iowa*
Psychology and Interdisciplinary Studies
(Criminology and Criminal Justice)
- Tanner Hempe Wahlin *Ames, Iowa*
Sociology and Women's Studies
- Amanda Michelle Warin *Pella, Iowa*
Advertising and International Studies
- Kelly M. Waters *Cedar Rapids, Iowa*
Psychology and Interdisciplinary Studies
(Criminology and Criminal Justice)
- Sarah Joanne Whitaker *Davenport, Iowa*
Interdisciplinary Studies (Criminology and
Criminal Justice) and Psychology

BACHELOR OF LIBERAL STUDIES

Major in Liberal Studies

| | | | |
|------------------------------|--------------------------|----------------------------|-----------------------------|
| Nicholas Evan Adams | <i>Norwalk, Iowa</i> | Allanah McCorkle | <i>Davenport, Iowa</i> |
| Mackenro Alexander | <i>Immokalee, Fla.</i> | Nolan Emmett Mitchell | <i>Duncombe, Iowa</i> |
| Cody A. Anderson | <i>Clear Lake, Iowa</i> | Cameron Naylor | <i>Johnston, Iowa</i> |
| Antione Louis Barrow | <i>Des Moines, Iowa</i> | Clayton Leonard Nebel | <i>Urbandale, Iowa</i> |
| *** Anne Marie Bultman | <i>Ankeny, Iowa</i> | Michael Nolte | <i>Waverly, Iowa</i> |
| Shunyl Kasdyn Busch | <i>Eddyville, Iowa</i> | Matthew Joseph O'Brien | <i>Carroll, Iowa</i> |
| Rodolfo Gutierrez Carrizales | <i>Ankeny, Iowa</i> | Jacqueline Elaine Pasek | <i>Plainfield, Ill.</i> |
| Paola Elizabeth Cordova | <i>Ackley, Iowa</i> | Shawn David Patterson | <i>Keokuk, Iowa</i> |
| Thaddeus Daniels | <i>Lynwood, Calif.</i> | Lauren N. Pawling | <i>Donnellson, Iowa</i> |
| Paige Nicole Dixson | <i>Grimes, Iowa</i> | Shelby Lynne Quigley | <i>Fredericksburg, Iowa</i> |
| James Patrick Downey III | <i>Baltimore, Md.</i> | Martin Rancik | <i>Bratislava, Slovakia</i> |
| Katie Marie Frandsen | <i>Clinton, Iowa</i> | Alexandra Sibley Rundle | <i>Ames, Iowa</i> |
| Stephanie M. Gibb-Clark | <i>Des Moines, Iowa</i> | Hanzhang Shi | <i>Shanghai, China</i> |
| Karson Michael Green | <i>Ardmore, Okla.</i> | Adrienne B. Slothouber | <i>Des Moines, Iowa</i> |
| Earl Kincaid Hall Jr. | <i>Homestead, Fla.</i> | Derek Everett Smuck | <i>Mason City, Iowa</i> |
| Stephanie Nichole Hawkins | <i>Chillicothe, Ill.</i> | Nicole Maura Achter Watson | <i>Houston, Tex.</i> |
| Hayworth Johnlee Hicks | <i>Palmdale, Calif.</i> | Karson Gene Westerkamp | <i>Bettendorf, Iowa</i> |
| Angela Marie Lundy | <i>Urbandale, Iowa</i> | Hunter Eshleman White | <i>Des Moines, Iowa</i> |
| Luke MacDonald | <i>Ankeny, Iowa</i> | Trapper Lancaster Woodley | <i>Edgewood, Iowa</i> |

* *Cum Laude*
** *Magna Cum Laude*

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

BACHELOR OF MUSIC

Major in Music

| | | | |
|-------------------------|----------------------------|-------------------------|-----------------------|
| Claudia Coltrain | <i>Kiron, Iowa</i> | *** Haley Kay Schmidt | <i>Griswold, Iowa</i> |
| *** Kylie Anne Erickson | <i>North Liberty, Iowa</i> | *** Brandon Kent Waring | <i>Walker, Iowa</i> |
| *** Madeline Jo Olsem | <i>Cedar Rapids, Iowa</i> | | |

BACHELOR OF SCIENCE

Major in Advertising

Jessica A. Gonzalez Frias *Ottumwa, Iowa*

Major in Anthropology

| | | | |
|----------------------|-------------------------|---------------------------|-------------------------------|
| Samantha Anne Budai | <i>London, Canada</i> | Alexandra Roberta Marcell | <i>Glendale Heights, Ill.</i> |
| Amber Nicole Dingman | <i>Des Moines, Iowa</i> | Carly Joy Nekkinda | <i>Allerton, Iowa</i> |
| Katherine Goddard | <i>Lakeville, Minn.</i> | | |

Major in Biochemistry

| | | | |
|--------------------------|-----------------------|--------------------------|----------------------------|
| Christopher E. Goetsch | <i>Chatham, Ill.</i> | Nur Aziatull Mohd Fadzil | <i>Putrajaya, Malaysia</i> |
| Christopher J. Grinstead | <i>Sandwich, Ill.</i> | | |

Major in Bioinformatics and Computational Biology

** Katarina Kohn *Cedar Rapids, Iowa*

Major in Biology

| | | | |
|--------------------------------------|---------------------------|-----------------------------|---------------------------|
| Grace A. Ansah | <i>Des Moines, Iowa</i> | Hunter Alexander Hansen | <i>Des Moines, Iowa</i> |
| * Allyson Marie Ballinger | <i>Cedar Rapids, Iowa</i> | **† Jacob Boyd Johnson | <i>Belvidere, Ill.</i> |
| Cory Austin Benes | <i>Winterset, Iowa</i> | Walt Turner Krommenhoek | <i>Davenport, Iowa</i> |
| Katherine Elizabeth Cartagena Rivera | <i>Johnston, Iowa</i> | ** Rachel Lynn Langton | <i>Cedar Rapids, Iowa</i> |
| Elizabeth Marie Christian | <i>Peoria, Ill.</i> | Morgan Lee Lichtenstein | <i>Vernon Hills, Ill.</i> |
| Lindsey R. Clark | <i>Ankeny, Iowa</i> | James Maxwell Malloy | <i>Boone, Iowa</i> |
| Koal Daniel Claus | <i>Anamosa, Iowa</i> | Jonathan Douglas Mikulicz | <i>Omaha, Neb.</i> |
| Kori Jean Corrigan | <i>Urbandale, Iowa</i> | ** Autumn M. Peterson | <i>Anthon, Iowa</i> |
| ** Brittany Marie Doll | <i>Cary, Ill.</i> | Kayla Lynn Pierce | <i>Oakdale, Minn.</i> |
| Amanda Sue Gridley | <i>Wilton, Iowa</i> | Katherine Urbaitis | <i>Bettendorf, Iowa</i> |
| Thomas John Hand | <i>Solon, Iowa</i> | **† Ian Gregory Ware Warren | <i>Ames, Iowa</i> |
| | | William Christopher Young | <i>Clive, Iowa</i> |

Major in Chemistry

| | | | |
|-----------------------|------------------------------|--------------------------|---------------------------|
| Joseph Solomon Fisher | <i>Joliet, Ill.</i> | Lewis John Peel | <i>Chapel Hill, N.C.</i> |
| Colin Ty Hilk | <i>Watertown, Minn.</i> | Marisa Celeste Perreault | <i>Mundelein, Ill.</i> |
| Xinyi Huang | <i>Suzhou Jiangsu, China</i> | Benjamin James Rayborn | <i>Ankeny, Iowa</i> |
| Frank Kajila | <i>Highland, Calif.</i> | * Devin Michael Shields | <i>Grand River, Iowa</i> |
| Connor M. Mebus | <i>Iowa City, Iowa</i> | ** Allyson Lynn Walsh | <i>Crystal Lake, Ill.</i> |

Major in Computer Science

| | | | |
|----------------------------|---------------------------|---------------------------|-----------------------------|
| Ahmed Assem Aly | Cairo, Egypt | Katherine P. Litscher | West Des Moines, Iowa |
| Edwin Benggawan | Palembang, Indonesia | Christopher B. Matthews | Johnston, Iowa |
| John Thomas Danielson | Plymouth, Minn. | *** Katelyn A. McClintock | Cedar Falls, Iowa |
| Alec J. Gansemer | Sherrill, Iowa | Landon Ross Miller | West Des Moines, Iowa |
| ** Akshaya Garg | Jaipur, India | Gabrielle Megan Ortman | Gardner, Kans. |
| * Adam Michael Hammes | Oskaloosa, Iowa | Jay Bharatbhai Patel | Nasik, India |
| Nathanael Hardy | Prole, Iowa | Christopher M. Pewick | Altoona, Iowa |
| ** Jeffrey Adrian Haskovec | Lime Springs, Iowa | Haider Raza | Faisalabad Punjab, Pakistan |
| ** Kelsey Ann Hrubes | Cedar Rapids, Iowa | Su Jung Seo | Goyang, Korea |
| ** Quan Ky Huynh | Ho Chi Minh City, Vietnam | Zachary John Turley | Cedar Rapids, Iowa |
| Jacob Leavern Jackson | Ames, Iowa | Yuhan Xiao | Guiyang, China |
| ** Huiye Lin | Wenzhou, China | Zaoxuan Zhou | Shanghai, China |

Major in Economics

| | | | |
|--------------------------|----------------------|---------------------|--------------------|
| Sidney Fapin Cam | Des Moines, Iowa | Nathan J. Hollander | Naperville, Ill. |
| Adam M. Christensen | Council Bluffs, Iowa | James S. Howell | Ames, Iowa |
| Gerald Timothy Healy III | Orland Park, Ill. | * Jeongwan Kim | Seoul, South Korea |
| *** Blake C. Heimann | Adel, Iowa | ** Huiye Lin | Wenzhou, China |

Major in Genetics

| | | | |
|-------------------------|------------------------|---------------|------------------|
| ** Amanda Shen Wei Loke | Kuala Lumpur, Malaysia | * Adela Saric | Des Moines, Iowa |
| ** Sivani Parsa | Des Moines, Iowa | | |

Major in Geology

| | | | |
|-------------------------------|-----------------------|-------------------------|------------------------|
| ** Nurul Hannah Ahmad Ridzuan | Dhahran, Saudi Arabia | Samuel P. Gans | Mendota Heights, Minn. |
| Jacob Thomas Bolduc | Dubuque, Iowa | Bailey Coleen Nash | Conrad, Iowa |
| | | Kathleen Ailis Staebell | Le Claire, Iowa |

Major in History

| | | | |
|-----------------------------|-------------------------|--------------------------|-----------------------|
| * Joseph Vincenzo Amadeo | Des Moines, Iowa | * Catherine Marie Hukill | Des Moines, Iowa |
| Jacob Issac Anders | Milo, Iowa | Mark David Kenkel | Clive, Iowa |
| * Austyn Tyler Banks | Des Moines, Iowa | Makayla Erin Minnehan | Churdan, Iowa |
| **† Jack Stephen Bruner | Des Moines, Iowa | Sam Ray Nieman | Peosta, Iowa |
| Brent Johnathon Conklin | Ankeny, Iowa | Carlos A. Pérez | Carolina, Puerto Rico |
| Abigail Annette Cross | Urbandale, Iowa | * Andrew Joseph Phaff | Winchester, Mass. |
| Dylan Robert Dale | Geneseo, Ill. | Patrick James Poe II | Sioux City, Iowa |
| Daniel Jeremiah Gavin | Latham, N.Y. | * Benjamin Cole Rurup | Oskaloosa, Iowa |
| Keane Adair Gritton | Des Moines, Iowa | Kelsey Jo Stanbrough | Hampton, Iowa |
| *** Katharina J. Gruenewald | Haltern am See, Germany | James Suarez | New Windsor, N.Y. |
| Emma Elizabeth Hoefler | Ames, Iowa | Amanda Celeste Werner | San Dimas, Calif. |
| | | Connor Wyrick | Cedar Rapids, Iowa |

Major in Journalism and Mass Communication

| | | | |
|----------------------------|----------------------|----------------------------|-------------------|
| Blake Neumann Acri | Des Moines, Iowa | Luke Ivan Manderfeld | Northfield, Minn. |
| Jacob Isaac Beals | Chariton, Iowa | Christopher T. McDaniel | Ankeny, Iowa |
| Haley Robin Brase | Shell Rock, Iowa | Krista Lee Mugge | Cleghorn, Iowa |
| Bailey A. Brooker | Woodward, Iowa | Aaron Thomas O'Neill | Clive, Iowa |
| * BriAna Victoria Campbell | Emmetsburg, Iowa | Whitney Ann Pittman | Bagley, Minn. |
| Travis W. Charlson | Plymouth, Iowa | Carly Ann Reiser | Sioux City, Iowa |
| Alexander James Hanson | Bettendorf, Iowa | * Mollie May Shultz | Osage, Iowa |
| Nikolas Ira Heftman | Mount Pleasant, Iowa | * Nicholas Joseph Wackerly | Altadena, Calif. |
| Mumbi Sarah Kasumba | Oranjemund, Namibia | Madison Michele Ward | Clive, Iowa |
| Garrett David Kroeger | Urbandale, Iowa | | |

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Major in Mathematics

| | | | |
|-------------------------|---------------------|---------------------------|----------------------|
| John Thomas Brandon | Birmingham, Ala. | Lucas Glenn Nolan | Winterset, Iowa |
| Emily Carr | Brookfield, Ill. | Mekayla Leigh Reints | Parkersburg, Iowa |
| Bijan F. Choobineh | Ames, Iowa | * Lauren Michelle Roeling | Fort Collins, Colo. |
| *** Kimberly Sue Crain | Cedar Rapids, Iowa | Patrick Joseph Stanek | McHenry, Ill. |
| * Peter Benjamin Gartin | Ames, Iowa | ** Ralph Dino Tenuta III | Mount Prospect, Ill. |
| *** Blake C. Heimann | Adel, Iowa | Chunlei Yuan | Dalian, China |
| Kurt M. Kabriel | Valley Falls, Kans. | Ge Zhang | Hefei, China |

Major in Meteorology

| | |
|--------------------|----------------|
| Antoinette Serrato | Rialto, Calif. |
|--------------------|----------------|

Major in Physics

| | | | |
|-------------------------|------------------|--------------------|------------------|
| John Thomas Brandon | Birmingham, Ala. | Ryan Paul Schupick | Mason City, Iowa |
| * Peter Benjamin Gartin | Ames, Iowa | | |

Major in Political Science

| | |
|-----------------------|-------------------|
| * Andrew Joseph Phaff | Winchester, Mass. |
|-----------------------|-------------------|

Major in Psychology

| | | | |
|-------------------------------|-----------------------|------------------------------|------------------------|
| ** Nurul Hannah Ahmad Ridzuan | Dhahran, Saudi Arabia | * Jihye Lee | Seoul, South Korea |
| Brandon Ray Alt | Cedar Rapids, Iowa | ** Madisyn C. McCarville | Fort Dodge, Iowa |
| Jonathan Taylor Anderson | Fairfield, Iowa | *** Katelyn A. McClintock | Cedar Falls, Iowa |
| Dominique Ryan Banks | Joliet, Ill. | Molly McConnell | Monroe, Iowa |
| Joshua Stephen Buol | Cedar Rapids, Iowa | Benjamin Milo Meyer | Gilbert, Iowa |
| Gabriel Alberto Cruz | Guaynabo, Puerto Rico | ** Kennedi L. Norris | South Elgin, Ill. |
| *** Lauren Augusta Czarnetzki | Eagan, Minn. | Isabella Glissmann North | Urbandale, Iowa |
| † Icel Davila | Bellvue, Neb. | Maura Kathleen O'Connor | St. Charles, Ill. |
| *** Madison R. Egli | Fort Dodge, Iowa | Zie Yiun Ong | Kuala Lumpur, Malaysia |
| * Ellen Maria Floyd | West Des Moines, Iowa | Christopher M. Pewick | Altoona, Iowa |
| ** Joseph Robert Foss | Harlan, Iowa | Amber Lynn Rissman | Waukon, Iowa |
| Shannon M. Frega | Batavia, Ill. | Marcy Anne Ritchey | Washington, Mo. |
| Morgan C. Froehlich | Sioux City, Iowa | Dallis Paige Roberts | Urbandale, Iowa |
| Adam Nickolas Jensen | McHenry, Ill. | ** Samantha Alexis Rodriguez | Ankeny, Iowa |
| Jerrun Lee Johnson | Brooklyn, Iowa | * Natalie Ann Sell | Eden Prairie, Minn. |
| Madison Bayley Jordan | Weeping Water, Neb. | ** Grace Kathryn Skattebo | Graettinger, Iowa |
| Kacey Rae Konrad | Lacona, Iowa | Jessica Cathleen Stevens | Memphis, Tenn. |
| ** Sierra Rae Lauber | Clear Lake, Iowa | Kaleigh Lynn Vesely | Ankeny, Iowa |
| ** Cheyanne Elizabeth Laux | Keosauqua, Iowa | Hai Viet Vu | West Des Moines, Iowa |
| | | Chenghao Wang | Beijing, China |

Major in Public Relations

| | | | |
|------------------------------|-----------------------|-------------------------------|-----------------------|
| Jack Manning Benson | Urbandale, Iowa | *** Keaton Anthony Mohr | Tipton, Iowa |
| *** Brianna Lynn Buzick | Pella, Iowa | ** Claire Marguerite Norton | Sioux City, Iowa |
| Michael Scott Caley | Menominee, Mich. | Alaina Marie Riley | West Des Moines, Iowa |
| Matthew J. Durant | West Des Moines, Iowa | Elizabeth Renee Smith | Granger, Iowa |
| Nicholas A. Heimendinger | Bettendorf, Iowa | ** Shelby Jo Smith | Cedar Falls, Iowa |
| *** Jiselle Alexa Henderkott | Davenport, Iowa | Colleen M. Spellman | Woodward, Iowa |
| ** Abbey Fae Horsman | Spirit Lake, Iowa | Haley Nicole Stork | Glidden, Iowa |
| Lindsey Alyssa Isaacson | Mason City, Iowa | ** Emily Marie Sudlow | Prior Lake, Minn. |
| Jessica Grace Jensen | Neola, Iowa | * Audrey Felicia Susai Nathen | Malaysia |
| Sydney B. Kistenmacher | Galva, Iowa | Allison Brooke Walters | Davenport, Iowa |
| Alexandra Grace Melgard | Buffalo, Minn. | | |

* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude

† Honors Program
‡ Posthumous degree

Major in Sociology

* Nicholas C. Cihlar *Milford, Iowa*
* Abdullah Mursyid Hasanuddin *Kajang, Malaysia*

Sarah Elizabeth Mihm *Norway, Iowa*
Anna Nicole Van Gundy *Washington, Iowa*

Major in Statistics

Jeffrey Vergara Gapp *Mahtomedi, Minn.*
** Sydney Laura Steinauer *Cedar Rapids, Iowa*

*† Junjie Wan *China*
Jingni Wang *Hoffman Estates, Ill.*

Major in Technical Communication

* Emily Rae Boyd *Maxwell, Iowa*
Nora Kirsten Frentress *Clive, Iowa*

Spenser Avery Miller *Saint Joseph, Mo.*
Derrick Michael Underwood *Newton, Iowa*

Major in Women's Studies

Katherine P. Litscher *West Des Moines, Iowa*

Adriana M. Martínez *Vega Baja, Puerto Rico*

Multiple Curricula and Majors

Karyl Clarete *Winnipeg, Canada*
Environmental Science and Global Resource
Systems

Rachel Morgan Pollastrini *Crystal Lake, Ill.*
Public Relations and International Studies

Del'Rico Todd Fortier *Pleasant Hill, Iowa*
Biology and Psychology

Sanjana Ravi *Colombo, Sri Lanka*
Economics and International Studies

Timothy James Grant *Sioux City, Iowa*
History and Environmental Studies

Casey Marie Ruprecht *Maple Grove, Minn.*
Psychology and World Languages and
Cultures (Spanish)

Sarah Hetrich *Woodbury, Minn.*
Psychology and International Studies

Jacob Daniel Sharpe *Norwalk, Iowa*
Technical Communication and English

Ariana Rene Kuhn *Marshall, Ill.*
Psychology and Sociology

Adam Charles Smith *Slater, Iowa*
Genetics and Philosophy

** Devon Elizabeth LaBat *Ponte Vedra, Fla.*
Psychology and Interdisciplinary Studies
(Criminology and Criminal Justice)

Carrie Spring *Reno, Nev.*
Public Relations and English

Andrew Joseph Little *Mason City, Iowa*
Chemistry and Economics

Jacob A. Valentine *Chicago, Ill.*
Anthropology and Chemistry

** Aspen Jean Pflanz *Wayne, Neb.*
History and Political Science

Paige Madsen Vanderleest *Shawnee, Kans.*
Public Relations and International Studies

Christopher M. Worrick *Glasford, Ill.*
Technical Communication and English

IOWA STATE UNIVERSITY 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 2017-2018 Senior Class Council is comprised of 13 students who are dedicated to recognizing seniors for their many achievements.

This year's Senior Class Council has planned 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; Real Life Answers, a conference for seniors to prepare them for life after graduation, 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.

2017-2018 Senior Class Council Leadership

| | | | |
|---------------------------------------|---|-----------------------------------|---------------------------------------|
| President: Renee Gibney | Council Members: Kelly Kalsch | Ashley Oakes Grant McMillian | Ben Elliott Brad Biegger |
| Vice-President: Ashley Mies | Caleb Floss Logan David Driscoll | Izak Christensen Mikayla Dolch | Megan Pringnitz Madison Vandenberg |

CANDIDATES FOR COMMISSIONS

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

United States Army

Hayden J. Ford
Arthur P. Khan
Ethan R. Nelson (Summer 2017)
Kendall P. Porth
Benjamin C. Rurup

United States Navy

Sean-Paul A. Stickelman

United States Air Force

Jonathan M. Reed (Summer 2017)
Brodie M. Wilson (Summer 2017)
Paul M. Wiza

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 2017

Official List of Degree Recipients
Conferred August 5, 2017

DEGREE RECIPIENTS FROM THE GRADUATE COLLEGE

DOCTOR OF PHILOSOPHY

Major in Aerospace Engineering

§ Mohamad Aslani *Karaj Tehran, Iran*
DISSERTATION: Numerical simulation of compressible flows with interfaces

†† Benjamin Jekonia Kwasa *Nairobi, Kenya*
DISSERTATION: Incorporation of organization design in a value-based systems engineering framework

Haixing Li *Shanghai, China*
DISSERTATION: Experimental studies on the dynamics of in-flight and impacting water droplets pertinent to aircraft icing phenomena

Major in Agricultural and Biosystems Engineering

Maurice Taylor Washington *Camp Springs, Md.*
DISSERTATION: Monitoring of antibiotics and Atrazine in tile drained landscapes

Major in Agricultural Education (Agricultural Extension Education)

§ Chang Liu *Shijiazhuang, China*
DISSERTATION: An assessment of the use of the Internet as perceived by fruit farmers in Hebei Province, China

Major in Analytical Chemistry

Jonathan Michael Bobbitt *Fayetteville, Ark.*
DISSERTATION: Optical-based spectroscopic methods for measuring chemical, optical, and physical properties of thin polymer waveguide films

†† Katherine-Jo Galayda *Bushkill, Pa.*
DISSERTATION: Use of ultraviolet laser ablation electrospray ionization mass spectrometry for plant metabolite imaging

†† Carolyn P. Hutchinson *Goldvein, Va.*
DISSERTATION: High resolution mass spectrometry to explore molecular-level understanding of biomass pyrolysis

Omprakash Nacham *Toledo, Ohio*
DISSERTATION: Synthesis of new classes of ionic liquids and their utilization in biological and pharmaceutical analysis

Major in Animal Science

§ Shelby Marie Curry *Elk Grove, Calif.*
DISSERTATION: Impact of enteric coronaviruses on nursery pigs

Trey Allen Kellner *Stockton, Kans.*
DISSERTATION: Impact of dietary fat composition on digestion, metabolism and deposition of fat in the growing pig

Major in Apparel Merchandising and Design

†† Amy Marie Dorie *Victoria, Canada*
DISSERTATION: A video is worth a thousand words: Scale development for consumer-to-consumer social interaction

Major in Applied Linguistics and Technology

§ **Huong Thi Tram Le** *Vinh Phuc, Vietnam*
DISSERTATION: Pedagogical design principles for online learning about the use of sources in academic writing: Materials development and evaluation in a college-level writing course

Major in Applied Mathematics

Pierson Tyler Guthrey *Lafayette, La.*
DISSERTATION: Regionally implicit discontinuous Galerkin methods for solving the relativistic Vlasov-Maxwell system

Major in Biochemistry

Jagannathan Alagurajan *Surat Gojarat, India*
DISSERTATION: Phytoglobin as catalytic enzyme for production of ammonia from hydroxylamine and hydrazine

Major in Bioinformatics and Computational Biology

†† **Jennifer Chang** *Hacienda Heights, Calif.*
DISSERTATION: Developing an integrated system for biological network exploration

Priyanka Surana *Kolkata, India*
DISSERTATION: Membrane trafficking in resistance gene-mediated defense against the barley powdery mildew fungus

Major in Biophysics

§ **Jaewook Kim** *Seoul, South Korea*
DISSERTATION: In vitro single vesicle fusion study of Ca²⁺-triggered SNARE-mediated membrane fusion

Major in Biorenewable Resources and Technology

Patrick Allan Johnston *Ankeny, Iowa*
DISSERTATION: Thermochemical methylation of lignin to produce high value aromatic compounds

Major in Business and Technology (Information Systems)

†† **Inmyung Choi** *Seoul, South Korea*
DISSERTATION: Information technology, competition, and their impact on firm performance: Theoretical development and empirical analyses

Yuanxiang Li *Jinzhong, China*
DISSERTATION: Information security research: External hacking, insider breach, and profound technologies

Major in Business and Technology (Marketing)

†† **Melika Kordrostami** *Tehran, Iran*
DISSERTATION: Female power portrayals in ads: Dimensions and consequences

Russell K. Lemken *West Des Moines, Iowa*
DISSERTATION: If customer relationships are so important, why does CRM implementation fail so often?

Major in Business and Technology (Supply Chain Management)

Juan David Cortes Ortiz *Bogota, Colombia*
DISSERTATION: The vehicle routing problem
and its intersection with cross docking

Major in Chemical Engineering

Thomas Christopher Hoff Jr. *Bel Air, Md.*
DISSERTATION: ZSM-5 catalyzed fast pyrolysis
of biomass

Le Zhao *Dali, China*
DISSERTATION: Exploring the production of
high-value compounds in plant *Catharanthus*
roseus hairy roots and yeast *Yarrowia lipolytica*

Lida Zhu *Columbia, Mo.*
DISSERTATION: pH responsive gels that deliver
anti-inflammatory drugs

Major in Civil Engineering (Civil Engineering Materials)

§ Mohamed Elsayed Elkashef *Cairo, Egypt*
DISSERTATION: Using soybean-derived
materials to rejuvenate reclaimed asphalt
pavement (RAP) binders and mixtures

Major in Civil Engineering (Construction Engineering and Management)

Ahmed F. Abdelaty Ahmed *Giza, Egypt*
DISSERTATION: Data-driven algorithms for
enhanced transportation infrastructure asset
management

Ilker Karaca *Moda Istanbul, Turkey*
DISSERTATION: Valuation of flexibility and
investment timing in infrastructure projects:
Cases in airport expansions and alternate
design alternate bid bidding

§ Tuyen Thanh Le *Duc Pho, Vietnam*
DISSERTATION: Semantics-based approach for
generating partial views from linked life-
cycle highway project data

Major in Civil Engineering (Structural Engineering)

Seyedbabak Momenzadeh *Tehran, Iran*
DISSERTATION: Seismic design study of
centrically braced frames with and
without buckling-controlled braces

Mostafa Yossef *Ames, Iowa*
DISSERTATION: Development of a
multifunctional photovoltaic integrated
insulated concrete sandwich panel

Major in Civil Engineering (Transportation Engineering)

Timothy Peter Barrette *Negaunee, Mich.*
DISSERTATION: Examining the safety
performance of intersections on arterial
roadways and near service ramp terminals

Emira Rista *College Station, Tex.*
DISSERTATION: Examining the safety
performance of urban/suburban arterials
and freeway segments in consideration of
roadway geometry and traffic control

Major in Computer Engineering

Yu-Wen Chen *Taichung, Taiwan*
DISSERTATION: Cloud-based energy
management service: Design, analysis, and
realization

Yu Jie *Changde, Hunan, China*
DISSERTATION: On the optimal operation of
wireless networks

Parijat Shukla *Allahabad, India*
DISSERTATION: Efficient similarity
computations on parallel machines using
data shaping

Major in Computer Science

†† Ju Cheol Moon *Brookings, S. Dak.*
DISSERTATION: Synthesizing species trees from gene trees using the parameterized and graph-theoretic approaches

Jingwei Yang *Fushun, China*
DISSERTATION: A situation-centric, knowledge-driven requirements elicitation approach

Major in Condensed Matter Physics

Andres Garcia Escovar *Bogota, Colombia*
DISSERTATION: Stochastic modeling of catalytic processes in nanoporous materials: Beyond mean-field approach

Dante Gabriel Quirinale *Vt.*
DISSERTATION: Structural and magnetic properties of metastable phases and undercooled liquids in Fe₈₃B₁₇

Major in Ecology and Evolutionary Biology

Kelly Morgan Boyer Ontl *Atlantic Mine, Mich.*
DISSERTATION: Chimpanzees in the Island Of Gold: Impacts of artisanal small-scale gold mining on chimpanzees (*Pan troglodytes verus*) in Fongoli, Senegal

Rebecca Leigh Polich *Agoura Hills, Calif.*
DISSERTATION: Behavioral and physiological responses of a freshwater turtle to anthropogenic activity

Major in Economics

Yoonho Choi *Normal, Ill.*
DISSERTATION: Three essays on trade policies in developing countries
Hyunseok Kim *Seoul, South Korea*
DISSERTATION: Three essays on agricultural and environmental economics

Kevin Michael Meyer *Anchorage, Alaska*
DISSERTATION: Three essays on environmental and resource economics
†† Qianrong Wu *Yancheng, China*
DISSERTATION: Three essays on applied human behavioral economics and individual choices

Major in Education

Manuel Del Real *Denver, Colo.*
DISSERTATION: Living the creed: How chapters of Sigma Lambda Beta International Fraternity, Inc., contribute to civic engagement

Jody Christine Koch *Woodbury, Minn.*
DISSERTATION: Literacy events and practices that position Hmong women to meet academic success in community colleges

Major in Education (Educational Leadership)

Korey Kollasch *Swea City, Iowa*
DISSERTATION: "A passion to mold young people:" A mixed-methods study of Iowa community college athletics coaches' profile characteristics
Amy J. Pilcher *Ames, Iowa*
DISSERTATION: Virtual learning community: Utilizing learning communities in hybrid and online graduate programs

Jennifer Jean Sabourin *Ottumwa, Iowa*
DISSERTATION: International student-athlete adjustment experience at community colleges in the Midwest
Megan M. Scherzberg *Aurora, Colo.*
DISSERTATION: Predicting student persistence of community college transfer students to a large, urban, transfer destination four-year institution

Major in Electrical Engineering

Yifei Li *Shaoxing, China*
DISSERTATION: Development of high-efficiency switch-mode concurrent dual-band rf power amplifiers

§ Akshit Peer *Ludhiana, India*
DISSERTATION: Periodically patterned structures for nanoplasmonic and biomedical applications

Major in Electrical Engineering (Communications and Signal Processing)

Renliang Gu *Nantong, China*
DISSERTATION: Convex-set-constrained sparse
signal recovery: Theory and applications

Major in Electrical Engineering (Systems and Control)

Matthew Christopher Rich *Ames, Iowa*
DISSERTATION: Optimal mean-square
performance for networked control systems
with unreliable communication

Major in Engineering Mechanics

Thomas John Eason *Glen Ellyn, Ill.*
DISSERTATION: Ultrasonic thickness structural
health monitoring of steel pipe for internal
corrosion

§ Richard Andrew Livings *Sioux City, Iowa*
DISSERTATION: Quantitative ultrasonic coda
wave (diffuse field) NDE of carbon-fiber
reinforced polymer plates

Major in Entomology

Eric Clifton *Gurnee, Ill.*
DISSERTATION: Pest management of soybean
aphid and soybean cyst nematode: Host-
plant resistance, entomopathogens, and seed-
applied pesticides

Major in Genetics

Joseph Patrick Gallagher *Orlando, Fla.*
DISSERTATION: Evolution of duplicated
pathways and networks in polyploid cotton
§ Benjamin J. Hale *Rolla, Mo.*
DISSERTATION: Two components of maintaining
developmental competence: microRNA-21 in
the maturing oocyte and autophagy induction
in the follicular stage ovary

Ellis Jordan Powell *Santa Fe, N. Mex.*
DISSERTATION: Development of the naturally
occurring Severe Combined Immunodeficient
pig model of Iowa State University with
an emphasis on characterization and
immunological exploration of porcine Natural
Killer cells

Major in Genetics and Genomics

†† Jessica Dawn Hohenstein *Darwin, Minn.*
DISSERTATION: Investigation of soybean
susceptibility to soybean aphids and
how aphids affect plant-mediated pest
interactions

Martha Ibore *Kampala, Uganda*
DISSERTATION: Genetic architecture of
antibiosis and antixenosis aphid resistance in
soybean and elucidation of the molecular effect
of pyramiding *Rag1* and *Rag2* resistance genes

Major in Geology

†† Angela Loraine Bowman *West Des Moines, Iowa*
DISSERTATION: Application of a satellite-
derived potential evapotranspiration product
for operational streamflow prediction

Sergey Ishutov *Rudny, Kazakhstan*
DISSERTATION: 3D printing porous proxies
as a new tool for laboratory and numerical
analyses of sedimentary rocks

Major in High Energy Physics

Li Cheng *Wuhan, China*
DISSERTATION: The extension of Two-Higgs-
Doublet Model with a color-octet scalar

Major in Human Computer Interaction

Kiraz Candan Herdem *Kayseri, Turkey*
DISSERTATION: Emotion centered design:
Affect, think, and act

Laura Anne Huisinga *Cedar Rapids, Iowa*
DISSERTATION: Augmented reality reading
support in higher education: Exploring
effects on perceived motivation and
confidence in comprehension for struggling
readers in higher education

Chase Rubin Meusel *Charles City, Iowa*
DISSERTATION: Psychophysiological measures of
mental effort and emotion within user research

Major in Human Development and Family Studies

Liuran Fan *Jinan, China*
DISSERTATION: Teachers' beliefs and
classroom practices related to students'
heritage language and culture

Marissa Emily Holst *Millville, Minn.*
DISSERTATION: Family networks and
emerging adulthood: The modern extended
family

§ Shinyoung Jeon *Seoul, South Korea*
DISSERTATION: Economic pressure, positivity,
and positive child development

Shane Andrew Kavanaugh *Omaha, Neb.*
DISSERTATION: A longitudinal evaluation
of depressive symptoms: The effects of
economic pressure, couple conflict, harsh
parenting, and emotional support

Yuk Ching Pang *Ames, Iowa*
DISSERTATION: Trajectories in religious
development among African American
young adults

Jaeon Yoo *Jecheon, South Korea*
DISSERTATION: Intergenerational relationships
of Korean older adults and implications for
their health and well-being: Co-residence
and grandchild care

Major in Immunobiology

Shivani Vishwas Ghaisas *Pune, India*
DISSERTATION: The effect of intestinal
inflammation and enteric nervous system
deregulation in the pathogenesis of
Parkinsonian syndrome

§ Meghan Joyce Wymore Brand *Ames, Iowa*
DISSERTATION: Age-related impact of
proteobacteria colonization on mucosal
homeostasis and the microbial community in
gastrointestinal health and disease

Major in Materials Science and Engineering

§ Jiahao Chen *Huzhou, China*
DISSERTATION: Interface driven engineering of
charge transport across molecular tunneling
junctions

Iman Ghamarian *Mashhad, Iran*
DISSERTATION: Application of ASTAR/
precession electron diffraction technique
to quantitatively study defects in
nanocrystalline metallic materials

Laura C. Lutz-Kappelman *Ames, Iowa*
DISSERTATION: Electronic structure studies of
complex intermetallic arsenides and borides

§ Stephanie Oyola-Reynoso *Naranjito, Puerto Rico*
DISSERTATION: Engineering tunable bio-
inspired polymeric coatings for amphiphobic
fibrous materials

Major in Mathematics

Jeremiah Joel Goertz *South Bend, Ind.*
DISSERTATION: Reflection group diagrams for
a sequence of Gaussian Lorentzian lattices

†† Calvin Francis Hotchkiss *Falmouth, Mass.*
DISSERTATION: Fourier bases on the skewed
Sierpinski gasket

†† Steven Ronald Noren *St. James, Minn.*
DISSERTATION: Topics in self-interacting
random walks

Major in Mechanical Engineering

Chloe Elizabeth Dedic *Mason City, Iowa*
DISSERTATION: Hybrid fs/ps coherent anti-Stokes Raman scattering for multiparameter measurements of combustion and nonequilibrium

Fenglei Qi *Liaocheng, China*
DISSERTATION: Discrete element method modeling of biomass fast pyrolysis granular flows

§ Chenglong Wang *Xinghua, China*
DISSERTATION: A geometric framework for immersogeometric analysis

Yangsu Xie *Changde, China*
DISSERTATION: Thermal transport in carbon materials: Effect of low temperature and nanostructures

Major in Meteorology

Abayomi Abiodun Abatan *Lagos, Nigeria*
DISSERTATION: Tools and metrics to characterize extreme climate events and evaluate climatic datasets over the Upper Colorado River Basin for societal applications

Major in Microbiology

Julian Michael Trachsel *Lisbon, Iowa*
DISSERTATION: Defining and modulating the butyrate-producing microbial community in the swine gut

Major in Molecular Cellular and Developmental Biology

Rebecca Farah Chowdhury *Kolkata, India*
DISSERTATION: Insights into retinal cell fate determination in vertebrates using transcriptomic profiling and genome editing

Shambhavi Shubham *Ranchi, India*
DISSERTATION: Selection of functional RNA aptamers against Ebola glycoproteins

Major in Organic Chemistry

†† Margarita R. Geraskina *Duluth, Minn.*
DISSERTATION: Stimuli-responsive organic materials based on stable free radicals spin switching

Major in Physical Chemistry

Jeffery Scott Boschen *Springfield, Mo.*
DISSERTATION: Where to draw the line: Chasing energy extrapolations, cluster convergence, and molecular trajectories

Major in Physics

Tsung-Han Chou *Hsinchu City, Taiwan*
DISSERTATION: Structural study of membrane proteins by X-ray crystallography

Major in Plant Biology

†† Jiani Chen *Taizhou, China*
DISSERTATION: Functions and mechanism of WRKY transcription factors in Brassinosteroid-regulated plant growth and stress response

Nathan Thomas Reem *Macomb, Ill.*
DISSERTATION: A study of cell wall integrity control in transgenic plants expressing polysaccharide-modifying enzymes

Major in Plant Breeding

Javier Do Canto Fagundez *Artigas, Uruguay*
DISSERTATION: Genetic studies on self-fertility in perennial ryegrass (*Lolium perenne* L.) with implications for hybrid breeding in allogamous grasses

§ Jing Zhao *Haerbin, China*
DISSERTATION: Genetic dissection of sorghum plant architecture traits and seed number variation

Major in Plant Pathology

Augustine Quirarte Beeman *Bakersfield, Calif.*
DISSERTATION: Development of methods to study plant-parasitic nematode chemotaxis and the effect of ILeVO and VOTiVO seed treatments on the soybean cyst nematode, *Heterodera glycines*

David R. Cruz Jimenez *Bogota, D.C.*
DISSERTATION: Soybean root rot caused by *Fusarium oxysporum* and *Fusarium graminearum*: Interactions with biotic and abiotic factors

Elizabeth Rose Lerch *Cowansville, Pa.*
DISSERTATION: Soybean-*Pythium* pathosystem: Search for host resistance and interaction with *Fusarium* species

Mauricio Serrano-Porras *San Jose, Costa Rica*
DISSERTATION: Efficacy of soybean seed treatments in Iowa and the effect of cold stress on damping-off caused by *Pythium sylvaticum*

Major in Psychology

Jason Geller *Chicago, Ill.*
DISSERTATION: Would disfluency by any other name still be disfluent? Examining the boundary conditions of the disfluency effect

Melissa Ann Johnson *Aberdeen, S. Dak.*
DISSERTATION: Dyadic analyses of daily interactions: Effects of perceived social support and social control on physical activity behavior

Major in Psychology (Counseling Psychology)

†† Rachel Lori Bitman-Heinrichs *Parkland, Fla.*
DISSERTATION: From attitude to intent to action: Predictors of psychological help-seeking behavior among clinically distressed adults

†† Raquel Botello *Toledo, Iowa*
DISSERTATION: Navigating the bridge: Bicultural stress, perceived bicultural competence, and coping flexibility among Latina/os

Megan Norene Callahan *Shoreview, Minn.*
DISSERTATION: The positive and negative valence of gender in traditional and non-traditional career choices

†† Stephanie Gabriela Carrera *Lisle, Ill.*
DISSERTATION: Interpersonal risk factors, shame, and depression among Asian Americans: A longitudinal study of perfectionistic family discrepancy and self-compassion as moderators

Kathryn M. Pesch *Madison, Wis.*
DISSERTATION: Career decision-making within the college social microcosm: Social value determinants, self-enhancement bias, and psychological needs

Major in Rhetoric and Professional Communication

Matthew John Baker *Springville, Utah*
DISSERTATION: Contextual information, answerability, and the logical construction of social how-to questions

Rachel Collier Murdock *Johnston, Iowa*
DISSERTATION: An instrument for assessing the public communication of scientists

Sara Beth Parks *Manhattan, Kans.*
DISSERTATION: Rhetorical dilemmas in funded science annual reporting

†† Vincent David Robles *Post, Tex.*
DISSERTATION: Discourse strategies in technical-support interactions

Major in Rural Agricultural Technological and Environmental History

†† Kelly Wenig *Chilton, Wis.*
DISSERTATION: Where the west began: Environment, transportation, and capitalism in Marion County, Indiana, 1820-1860

Major in Sociology

Yu-Hui Kao *Taipei, Taiwan*
DISSERTATION: Community capitals,
community attachment, and migration in the
Iowa small towns

Major in Soil Science (Soil Physics)

Zhuangji Wang *Beijing, China*
DISSERTATION: Numerical methods in soil
hydrology: TDR waveform analysis and water
vapor diode simulation

Major in Statistics

Ignacio Alvarez Castro *Montevideo, Uruguay*
DISSERTATION: Bayesian analysis of high-
dimensional count data

Natalia A. Da Silva Cousillas
Montevideo, Uruguay
DISSERTATION: Bagged projection methods for
supervised classification in big data

†† Margaret Carolyn Johnson *Harris, Minn.*
DISSERTATION: Methods for analysis and
uncertainty quantification for processes
recorded through sequences of images

Andrea Jean Kaplan *Houston, Tex.*
DISSERTATION: On advancing MCMC-based
methods for Markovian data structures with
applications to deep learning, simulation,
and resampling

Andrew Joseph Lithio *Downers Grove, Ill.*
DISSERTATION: Statistical methods for
estimation, testing, and clustering with gene
expression data

Adam M. Martin-Schwarze *Webster City, Iowa*
DISSERTATION: Extending removal and
distance-removal models for abundance
estimation by modeling detections in
continuous time

Lihua Peng *Leping, China*
DISSERTATION: Topics in statistical inference
for massive data and high-dimensional data

Major in Sustainable Agriculture

Ann Jalynn Almond *Klemme, Iowa*
DISSERTATION: Chronic wasting disease
as a model for the development of risk
communication using the mental models
approach

Major in Veterinary Microbiology

Hai Thanh Hoang *Ho Chi Minh City, Vietnam*
DISSERTATION: Pathogenicity and diagnostics
of non-group A porcine rotaviruses

Nicholas Kelly Van Engen *Sioux Center, Iowa*
DISSERTATION: Utility of meloxicam therapy
in cattle prior to long distance transportation

Major in Veterinary Microbiology (Preventive Medicine)

Korakrit Poonsuk *Bangkok, Thailand*
DISSERTATION: An investigation of passive
antibody and its effects on porcine epidemic
diarrhea virus infection

Multiple Curricula and Majors

Hao Cheng *Beijing, China*
MAJORS: Genetics and Statistics
DISSERTATION: Contributions to improve the accuracy and computational efficiency of genomic prediction

Maaz Hassaan Gardezi *Lahore, Pakistan*
MAJORS: Sociology and Sustainable Agriculture
DISSERTATION: Rethinking adaptive capacity: A study of Midwestern U.S. corn farmers

Zahra Hosseinzadeh Nik *Ames, Iowa*
MAJORS: Aerospace Engineering and Mechanical Engineering
DISSERTATION: Numerical simulation of compressible multiphase flows

Keguo Huang *Wenzhou, China*
MAJORS: Mathematics and Statistics
DISSERTATION: Topics in queueing theory

Yong Mei *Zhengzhou, China*
MAJORS: Chemical Engineering and Statistics
DISSERTATION: Modeling and control to improve blood glucose concentration for people with diabetes

†† **Timothy Burkgren Morgan** *Ames, Iowa*
MAJORS: Mechanical Engineering and Human Computer Interaction
DISSERTATION: Characterization of multiphase flows integrating X-ray imaging and virtual reality

†† **Juan Sebastian Proano Aviles** *Ambato, Ecuador*
MAJORS: Mechanical Engineering and Biorenewable Resources and Technology
DISSERTATION: What limits the yield of levoglucosan during fast pyrolysis of cellulose?

Robert J. Pegg *Stanley, Wis.*
MAJORS: Civil Engineering (Structural Engineering) and Wind Energy Science Engineering and Policy
DISSERTATION: Design and structural testing of tall Hexcrete wind turbine towers

MASTER OF ACCOUNTING

Major in Accounting

Abbie Michelle Gentz *Colesburg, Iowa*
Aaron Yosief Goitom *West Des Moines, Iowa*

Samantha Nicole Houghtby *Ankeny, Iowa*
Ananda Sapkota *Ames, Iowa*

MASTER OF AGRICULTURE

Major in Professional Agriculture

Kathryn Griffith Jennings Gerber *Moline, Ill.*

MASTER OF ARCHITECTURE

Major in Architecture

Sankalp Gupta *Allahabad, India*
Brittany Megan Schenk *Kelley, Iowa*

Nikole Margot Self *Northbrook, Ill.*

MASTER OF ARTS

Major in Anthropology

Giselle M. Narvéz Rivera *San Juan, Puerto Rico*
THESIS: The human-alloprimate interface in
Gandoca, Costa Rica: An ethnoprimateological
approach to assess conflict between residents
and three Neotropical primates

Major in English (Literature)

Amanda J. Cooper Stewart *Ames, Iowa*

Major in Graphic Design

Brooke Christine Ugolini *Des Moines, Iowa*

Yiyu Wang *Tangshan, China*

Major in History

Brandon Ward Duxbury *Wessington, S. Dak.*
THESIS: Success and failure in the Dakota
Territory: Individuals and their unique
definitions during the homesteading era

Daniel Jacob Kaiser *Ames, Iowa*
THESIS: Reforged in fire: The Central Building
of Iowa State

Major in Rhetoric Composition and Professional Communication

Katlynn Amy Davis *Racine, Wis.*
THESIS: Attributing rhetorical agency:
Corporate social media interactions on
Twitter

Mariah Mae Kemp *El Paso, Tex.*
THESIS: Identity conveyance through
multimedia: Kat Blaque's transformative
narrative using Draw My Life

Carlos G. Toledo-Parada *San Fernando, Chile*
THESIS: Metaphoric language in a dictator's
discourse: Rhetorical analysis of three
speeches by Augusto Pinochet

Major in Teaching English as a Second Language/Applied Linguistics

†† Sock Wun Phng *Klang, Malaysia*
THESIS: Vowel variations among speakers of
Malaysian English

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

Philip Andrew Lombardo *Ames, Iowa*

MASTER OF ARTS IN TEACHING

Major in Science Education

Tanner Joseph Farley *Runnells, Iowa*
Kelly Annette Gray *Adams, Minn.*
Benjamin Anthony Janney *Cedar Rapids, Iowa*
Samuel Allen Juhl *Roland, Iowa*

Michael David Ongie *Cedar Rapids, Iowa*
Olivia Anne Ramsey *Earlham, Iowa*
Rebekah Ruth Schumacher *Boone, Iowa*
Alex Joseph Sobotka *Mount Ayr, Iowa*

MASTER OF BUSINESS ADMINISTRATION

Major in Business Administration

Zenia Adiwijaya *Jakarta, Indonesia*
Garrett Franklin Carver *Atlantic, Iowa*
Nicholas Robert Hamilton *Pleasant Hill, Iowa*

Zhaoqun Kong *Clive, Iowa*
Brooke Lisa Lents *Bondurant, Iowa*
Aditya Tanwani *Indore, India*

MASTER OF BUSINESS ANALYTICS

Major in Business Analytics

Jacob James Johnson *West Des Moines, Iowa*

Lori Ann Murray *Minnertonka, Minn.*

MASTER OF COMMUNITY AND REGIONAL PLANNING

Major in Community and Regional Planning

Rachana Awale
Allison Marie Riley

Ames, Iowa
Clive, Iowa

Nikole Margot Self

Northbrook, Ill.

MASTER OF DESIGN IN SUSTAINABLE ENVIRONMENTS

Major in Sustainable Environments

Hatvany Cristel Gomez Concepcion
Sankalp Gupta

Panama, Panama
Allahabad, India

Hina Illahe
Steven Mark Johnson
Amritha Rajan

Ames, Iowa
Golden Valley, Minn.
Calicut, India

MASTER OF EDUCATION

Major in Education

Jenna Marie Peanasky

Faribault, Minn.

Gregory Luke Wickenkamp Cedar Rapids, Iowa

Major in Education (Educational Administration)

Kristin Nicole Barber
Gary Wayne Clark
Mark Scott Finken
Teresa Anne Higgins
Taelar Jessica Hillyer

Ankeny, Iowa
Numa, Iowa
Clive, Iowa
Johnston, Iowa
Bettendorf, Iowa

Haley Jo Hockensmith Henry
Jessica Therese Parsons
Melissa Ann Sambu
Autumn Brianni Seiler
Jared Andrew Wulf

Des Moines, Iowa
West Des Moines, Iowa
Des Moines, Iowa
Huxley, Iowa
Norwalk, Iowa

Major in Education (Higher Education)

Kyven Ross Gadson

Waterloo, Iowa

Major in Education (Special Education [practitioner])

Emily Renee Knoop

Mason City, Iowa

Mathew Eric Meintsma

Pierre, S. Dak.

MASTER OF ENGINEERING

Major in Aerospace Engineering

SundaraRaman Bakthavatchalam

Chennai, India

Adam Grant Harper

Kansas City, Mo.

Major in Civil Engineering (Construction Engineering and Management)

Jared Joseph Steckelberg

Menlo, Iowa

Major in Civil Engineering (Environmental Engineering)

Jonathan David Contag *Overland Park, Kans.*

Major in Civil Engineering (Structural Engineering)

Praveen Rajasekar *Chennai Tamilnadu, India*

Major in Computer Engineering

| | | | |
|----------------------|---------------------------|-------------------------|------------------------|
| Puneet Kaur | <i>Punjab, India</i> | Charudut Jayakar Shetty | <i>Udupi, India</i> |
| Priyanka Palacholla | <i>Cedar Rapids, Iowa</i> | He Yang | <i>Cangzhou, China</i> |
| Brian Thomas Schulte | <i>Burnsville, Minn.</i> | | |

Major in Electrical Engineering

| | | | |
|-------------|-----------------------|---------------|-------------------------|
| Renliang Gu | <i>Nantong, China</i> | Upender Kalwa | <i>Hyderabad, India</i> |
|-------------|-----------------------|---------------|-------------------------|

Major in Energy Systems Engineering

| | |
|-----------|-----------------------|
| Siyuan Lu | <i>Tianjin, China</i> |
|-----------|-----------------------|

Major in Engineering Management

| | | | |
|---------------|---------------------|------------|--------------------|
| Henry Carlson | <i>Hudson, Iowa</i> | Zhekang Du | <i>Wuxi, China</i> |
|---------------|---------------------|------------|--------------------|

Major in Industrial and Manufacturing Systems Engineering

| | |
|------------------------|-------------------------|
| Christopher David Ginn | <i>Mt. Vernon, Ind.</i> |
|------------------------|-------------------------|

Major in Information Assurance

| | | | |
|------------------|-----------------------|---------------------|-------------------------|
| Mohammed Ibrahim | <i>Wheeling, Ill.</i> | Michael Shane White | <i>Scottsboro, Ala.</i> |
|------------------|-----------------------|---------------------|-------------------------|

Major in Mechanical Engineering

| | | | |
|--------------------|--------------------------|---------------------------|-----------------------|
| Chad Andrew Garber | <i>Estherville, Iowa</i> | Abdul Rahman Hassan Merhi | <i>Saida, Lebanon</i> |
|--------------------|--------------------------|---------------------------|-----------------------|

Major in Systems Engineering

| | | | |
|-------------------------|----------------------|---------------|--------------------------|
| George Christ Arvanites | <i>Chicago, Ill.</i> | Mark D. White | <i>Warrenville, Ill.</i> |
|-------------------------|----------------------|---------------|--------------------------|

MASTER OF FAMILY AND CONSUMER SCIENCES

Major in Family and Consumer Sciences (Dietetics)

| | | | |
|------------------------|---------------------------|--------------|--------------------------|
| Stefanie Renae Balvanz | <i>Cedar Rapids, Iowa</i> | Barbara Lusk | <i>Los Altos, Calif.</i> |
|------------------------|---------------------------|--------------|--------------------------|

Major in Family and Consumer Sciences (Family Financial Planning)

| | |
|------------------|-------------------|
| Jenni M. Cushman | <i>Ames, Iowa</i> |
|------------------|-------------------|

Major in Family and Consumer Sciences (Gerontology)

| | |
|------------------------|---------------------------|
| Caroline Rose Mehlhoff | <i>Cedar Rapids, Iowa</i> |
|------------------------|---------------------------|

Major in Family and Consumer Sciences (Human Development and Family Studies)

Maria Belen Alcivar- Zuniga *West New York, N.J.*
THESIS: Intimate partner violence: Early
adverse experiences in male offenders

MASTER OF FINE ARTS

Major in Graphic Design

Wonsil Jang *Busan, South Korea*
THESIS: A tablet-based application for older
adults to enhance memory: Communication
with archiving stories

MASTER OF INDUSTRIAL DESIGN

Major in Industrial Design

Peter McNeil Evans *Ankeny, Iowa*
THESIS: Prototyping learning and congruence
in new realities

MASTER OF LANDSCAPE ARCHITECTURE

Major in Landscape Architecture

Steven Mark Johnson *Golden Valley, Minn.*

MASTER OF SCHOOL MATHEMATICS

Major in School Mathematics

Mark Jay Fisher
Angela Marie Pick
Julie Lynn Probst

Manning, Iowa
Ankeny, Iowa
Grimes, Iowa

Adam Nicholas Retzlaff
Jill Weitgenant

Waukee, Iowa
Essex, Iowa

MASTER OF SCIENCE

Major in Aerospace Engineering

Devayan Debashis Bir *Bhavnagar, India*
THESIS: Applicability of online education to large undergraduate engineering courses

Yen-Chen Liu *Taoyuan, Taiwan*
THESIS: Constrained path planning of unmanned vehicles

Suresh Murugaiyan *Thanjavur, India*
THESIS: Modeling requirements to value formulation in the design of large-scale complex engineered systems: A satellite system case study

†† Veera B. C. Sajjanapu *Hyderabad, India*
THESIS: Experimental investigation of inclined cantilever beams in a vertically falling soap film

Nazareen Sikkandar Basha *Coimbatore, India*
THESIS: Sensemaking in a value based context for large scale complex engineered systems

Tenkasi R. Subramanian *Abu Dhabi, United Arab Emirates*
THESIS: A study of consistency in design selection and the rank ordering of alternatives using a value driven design approach

Major in Agricultural and Biosystems Engineering

†† Katlyn R. DeVoe *Monroe, Wis.*
THESIS: Climate dependent heat stress mitigation modeling for dairy cattle housing

Major in Agricultural Education

Courtney P. Clawson *Ackley, Iowa*
Abigail Ray Stanek *Gowrie, Iowa*

Rachael Lynn Stecklein *Aurora, Iowa*
Rebecca Jo Wiers *Nevada, Iowa*

Major in Agronomy

Jerrald Lewis Mendenhall *Bedford, Mass.*

Tyler Albert Schmidt *Ankeny, Iowa*

Major in Animal Physiology (Reproductive Physiology)

Katie Lee Bidne *Omaha, Neb.*
THESIS: Investigating the ovarian response to endotoxemia

Caitlin E. Wiley *Leetonia, Ohio*
THESIS: Methods to enhance quality and recovery rates in superovulated beef cows

Major in Animal Science

Isa Johar Ehr *Ridgefield, Conn.*
THESIS: Production and health responses of laying hens and growing broilers to dietary omega-3 fatty acid supplementation

†† Chelsea A. Iennarella-Servantez *Aurora, Ill.*
THESIS: Evaluation of raw meat diets on macronutrient digestibility, fecal output, microbial presence, and general health status in domestic dogs.

Edith Johana Mayorga Lozano *Tenza, Colombia*
THESIS: Effects of chromium (Cr) and zinc (Zn) supplementation on metabolism, inflammation, and production parameters in heat-stressed and nutrient-restricted pigs

Jared Mumm *Kimberly, Idaho*
THESIS: Dynamic space utilization of lame and non-lame sows as determined by their lying-standing sequence profile

Ashley Dawn Thomas *Lavon, Tex.*
THESIS: Supplementation of two novel probiotics in the diet of lactating dairy cows

Major in Applied Mathematics

Neha Dilip Bora
Jessica Ann Hulzebos

Pune, India
Dassel, Minn.

Heather Marie Muchowski Westhampton, N.Y.
THESIS: Positivity-preserving finite volume
methods for compressible Navier-Stokes
equations
Tetiana Takhistova Kiev, Ukraine
THESIS: Spider walk in a random environment

Major in Architecture

Rucha Vivek Newalkar

Alibag, India

THESIS: Architecture of care in the urban
public space: A philosophical inquiry in
'Ethics of care' to inform the nature of the
urban public space

Major in Bioinformatics and Computational Biology

Shibo Gao Shijiazhuang, China

THESIS: The genomic evolution of H1
influenza A viruses from swine detected in
the United States between 2009 and 2016

Major in Biomedical Sciences

Steven Jacob Carlson Des Plaines, Ill.

Major in Chemical Engineering

Adel Abdullah M. Alghamdi

Jeddah, Saudi Arabia

THESIS: RANS-SLFM and LES-SLFM numerical
simulations of turbulent non-premixed oxy-
fuel jet flames using CO₂/O₂ mixture

Major in Civil Engineering (Construction Engineering and Management)

Ali Nahvi Tehran, Iran
Tejas Ostwal Hubli, India

THESIS: Bridge design efforts and cost
estimation models for PPCB bridge projects

Kaanthi Ma Sundaravadanam Chennai, India

Major in Civil Engineering (Geotechnical Engineering)

Haluk Sinan Coban Denizli, Turkey
THESIS: The use of lime sludge for soil
stabilization

Yuderka Altagracia Trinidad Gonzalez
Cambridge, Mass.
THESIS: Comparison of design/analysis
methods for pile reinforced slopes

Major in Civil Engineering (Structural Engineering)

Yongqiang Gong Dalian, China

Lauren Marie Ruchti Madison, Wis.

Major in Civil Engineering (Transportation Engineering)

Akinfolarin Opeyemi Abatan *Ilesha, Nigeria*
THESIS: Safety analysis of interchange functional areas

Anjana Avr *Chennai, India*
Ashirwad Barnwal *Sariya, India*
THESIS: Crash cushion selection criteria

Mehrdad Morshedi Shahrebabaki *Tehran, Iran*
THESIS: Improving scour risk management for Iowa by utilizing improved flood frequency estimates and modified HYRISK

Ellen E. Nightingale *Stevensville, Mich.*
THESIS: Effectiveness of median cable barrier in Iowa

Zahra Parvinashtiani *Tehran, Iran*
THESIS: Systemic safety evaluation of two lane rural roads using United States road assessment program methodology

Ifitin Thompson *Capitol Heights, Md.*
THESIS: Examining corridor-level crash rates in consideration of access point density and spacing

Bijan Vafaei *Tehran, Iran*
THESIS: Installation guidance for centerline and edgeline rumble strips in narrow pavements

Steven Kurtis Younkin *Ames, Iowa*
THESIS: Mixed methods assessment of project-based learning in a senior-level highway design course

Major in Computer Engineering

Utkarsh Gupta *Hyderabad, India*

Major in Computer Engineering (Computing and Networking Systems)

Harieesh Dharmadhas *Kanyakumari, India*

Benjamin Wendell Williams *Cedar Rapids, Iowa*
THESIS: Evaluation of a SoC for Real-time 3D SLAM

Major in Computer Engineering (Secure and Reliable Computingems)

Tanzilah Noor Shabnam *Dhaka, Bangladesh*

Piranava Tamilselvan *Erode, India*
THESIS: Fine-grained access control with attribute based cache coherency for IoT with application to healthcare

Major in Computer Science

Sriram Balasubramanian *Tirupattur, India*
THESIS: Improving testing performance by dynamic prioritization of tests based on method invocation orders

Gaurav Bhatt *Haldwani, India*
Karthiapil Nikhil Chakeeri *Hyderabad, India*

Rohit Iyer *Lucknow, India*
Dipanjan Karmakar *Durgapur, India*
Dipit Malhotra *New Delh, India*
Dhaval Anilkumar Shah *Ahmedabad, India*
Nishanth Sivakumar *Chennai, India*

Major in Diet and Exercise

Leah Marie Reed *Grimes, Iowa*

Major in Ecology and Evolutionary Biology

Clare Isabel Ming-ch'eng Adams *Greenwich, Conn.*
THESIS: The detection and quantification of aquatic reptilian environmental DNA

§ Brooke Lee Bodensteiner *Osage, Iowa*
THESIS: Geographic variation in nesting behavior and thermally-induced offspring phenotypes in a widespread reptile

++ Monica Michelle Cox *Alleman, Iowa*
THESIS: A comparative survey and investigation into the functional role of root anatomy in the Poaceae

Major in Economics

Haojie Cui *Xinxiang, China*

Major in Education

Craig Kamin Van Pay *Green Bay, Wis.*
THESIS: Closing the achievement gap through parent education and quantitative linguistic feedback: The use of LENA Start™ to improve the home linguistic environment and parental knowledge of child development

Major in Electrical Engineering

Luke Arthur Goetzke *Tucson, Ariz.*
Ian Scott McInerney *Champaign, Ill.*
THESIS: Development of a multi-agent quadrotor research platform with distributed computational capabilities
Byron Jacob Montgomery *Lusby, Md.*
THESIS: Common-mode termination requirements in concurrent dual-band push-pull power amplifiers

Jikang Qu *Hefei, China*
THESIS: Biomimetic pneumatic soft actuator and microfluidic imaging system for analyzing nematodes locomotion
Yixiao Shen *Ames, Iowa*
Zhen Xu *Ames, Iowa*
Yunting Yin *Beijing, China*
THESIS: Performance characteristics and design of voltage references

Major in Electrical Engineering (Microelectronics and Photonics)

Jingxiang Zhang *Beijing, China*

Major in Electrical Engineering (Very Large Scale Integrations)

Abdullah-Al Kafi *Gazipur, Bangladesh* Spurthi Nagulapally *Hyderabad, India*

Major in Engineering Mechanics

Christopher James Giuffre *Duluth, Minn.*
THESIS: Development of FEA models to study contusion patterning in layered tissue and the shaft loaded blister test

Major in Entomology

Shunji Li *Nanning, China*
THESIS: Putative receptor for Israeli acute paralysis virus of honey bee (*Apis mellifera*)

Major in Environmental Science

Samuel Marcus McDeid *Ames, Iowa*
THESIS: Morphologic characterization of upland depression wetlands on the Des Moines Lobe of Iowa

Madina Turumbayeva *Almaty, Kazakhstan*
THESIS: Novel method for quantification of odorous volatile organic compounds in air with solid phase microextraction and gas chromatography - mass spectrometry

Major in Food Science and Technology

Nathan W. Davis *Sioux City, Iowa*
THESIS: Volatile organic contamination analysis in packaged foods

Major in Genetics and Genomics

Hannah Marie Worrall *Fargo, N. Dak.*
THESIS: Developing specialty corn for niche markets in the public sector: A story of tradition and innovation

Major in Geology

Meaghan Victoria MacPherson *Vancouver, Wash.*
THESIS: The origin of the sediment-hosted Kanmantoo Cu-Au deposit, South Australia: Mineralogical considerations

Major in Gerontology

Lauren Stratton *Ankeny, Iowa*
THESIS: Providing knowledge and support to caregivers of older adults: Investigation of two programs

Major in Hospitality Management

Vanessa Phoebe Cooper *Johnston, Iowa*
THESIS: The impact of motivation, festival attachment, place attachment, and psychological ownership on volunteerism: Understanding the Traverse City Film Festival from the volunteer perspective

Kangli Qu *Shanghai, China*
THESIS: The impact of experience on satisfaction and revisit intention in theme parks: An application of the experience economy

Major in Human Computer Interaction

Robert Colin Ray *Cedar Rapids, Iowa*

Gentry Jermayne Sleets *Chicago, Ill.*

Major in Human Development and Family Studies

Margaret Mcvey Berta *Carmel, Ind.*
THESIS: A preliminary trial of achieving change through values-based behavior for incarcerated intimate partner violence offenders

Zhengzheng Xu *Hengyang, China*
THESIS: Adolescent frugality and perseverance as functional extensions of personality

Major in Industrial and Agricultural Technology

A. Jayaruwani Fernando *Negombo, Sri Lanka*

Abhay Kumar Grover *Ludhiana, India*
THESIS: Analysis of six monthly distribution system for food grains in the public distribution system of Punjab, India: A beneficiary's perspective

Major in Industrial and Manufacturing Systems Engineering

Ziyang He *Maanshan, China*

THESIS: A medial axis transformation based process planning method for rapid tooling

Dean Jose *Trivandrum, India*

THESIS: The impact of scientific management principles on food hub

Aditya Kiran Pathak *Pune, India*

THESIS: Estimating production losses from disruptions based on stock market returns: Applications to 9/11 attacks, the Deepwater Horizon oil spill, and Hurricane Sandy

Goutham Ramaraj *Thrissur, India*

THESIS: Production planning in different stages of a manufacturing supply chain under multiple uncertainties

Alisha J. Smith *Polk City, Iowa*

THESIS: Definition and development of a measurement instrument for compellingness in human computer interaction

Alexandria Lain Stewart *Marshalltown, Iowa*

THESIS: Active shooter simulations: An agent-based model of civilian response strategy

Haoran Sun *Beijing, China*

THESIS: Learning to Optimize: Training deep neural networks for real-time optimization problems

Arun Vinayak *Kasaragod, India*

THESIS: Quantitative models for supply chain risk analysis from a firm's perspective

Zhonglun Wang *Harbin, China*

THESIS: How packaging characteristics change the perception of product net weight

Major in Information Assurance

Eric Eberle *West Jordan, Utah*

Major in Information Systems

Akanksha *Coralville, Iowa*

Chinju Paul *Bloomington, Ill.*

Aditya Tanwani *Indore, India*

Mridula Vavilapalli *New Delhi, India*

Chia-Chun Yang *Kaohsiung, Taiwan*

Major in Interdisciplinary Graduate Studies

Kelly Jo Genners *Ottumwa, Iowa*

Major in Journalism and Mass Communication

Gavin Jarl Aronsen *Ankeny, Iowa*

Elizabeth F. Krugler *Adel, Iowa*

THESIS: Women in public relations: The influence of gender on women leaders in public relations

Jingru Sun *Shanghai, Chin*

THESIS: Effects of graphical cues during information processing in a social science context

Major in Kinesiology

Jenna Kirstin Burnett *Indianapolis, Ind.*

THESIS: Bone strain change as a result of a long distance run modeled on a finite element tibia

Maxwell Philip Schmarzo *Palo Alto, Calif.*

Major in Materials Science and Engineering

Muchen Li *Shanghai, China*

THESIS: Damage tolerance and defect accumulation in ultra-fine grained (UFG) materials

Daniel William Sommer *Califon, N.J.*

THESIS: Electrically induced strain and polarization fatigue in lead-free ceramics

Major in Meat Science

McKenna Jane Powell *Indianapolis, Ind.*
THESIS: Physical and chemical effects of citrus fiber as a natural alternative to sodium tripolyphosphate in uncured all-pork bologna and oven-roasted turkey breast

Major in Mechanical Engineering

Agnivo Gosai *Kolkata, India*
THESIS: Characterization of the influence of external stimulus on protein-nucleic acid complex through multiscale computations

Qing He *Wuhan, China*
THESIS: The development of carbon nanomaterials enhanced potassium sensor and glucose sensor for applications in wearable sweat-based sensing

Peng Li *Shanghai, China*
THESIS: Properties of agave fiber reinforced thermoplastic composites

Dakota Wayne Morgan *Corydon, Iowa*
THESIS: Development and initial results for roller-deposition metal powder bed laser fusion additive manufacturing

Daudet Nsabengo Nzombo *Kinshasa, Congo*
THESIS: A numerical investigation of cavitation in valves and techno-economic analysis of Pinewood solvent liquefaction

Abhishek Sarkar *New Delhi, India*
THESIS: Thermo-mechanical modeling and parametric analysis of lithium-ion battery

Hans William Schaeffer *Moline, Ill.*
THESIS: Fully pneumatic semi-active vibration isolator design and analysis

Major in Nutritional Sciences Human Nutrition

Caroline Lund McKinney *West Des Moines, Iowa*
THESIS: BlossomUP (BUP): A pilot randomized control trial to assess strategies to reduce sedentary time during pregnancy

Major in Plant Breeding

Anthony Edward Gatlin *Indianapolis, Ind.*
Robert Anton Kordick *Davenport, Iowa*

Michael Scott McMillen *Hollister, Calif.*

Major in Plant Pathology

Lauren Alicia Washington *Winfield, Ill.*
THESIS: Utilization of polyanhydride nanoparticle encapsulated fungicide seed treatments against seedborne and soilborne *Fusarium graminearum* on maize

Major in Psychology

Adele M. Quigley-McBride *Wellington, New Zealand*
THESIS: The use of filler samples moderates the effect of contextual information on forensic match decisions

Shuhebur Rahman *Woodside, N.Y.*
THESIS: The effects of prequestions on classroom learning

Meredith Vander Horst Tittler *Boston, Mass.*
THESIS: How to engage European-American participants in racial dialogue: The role of dialogue structure and mixed race groups

Major in Seed Technology and Business

Starla M. Cosme Chauvin *Wailuku, Hawaii*
Andrew James Penney *Ames, Iowa*

Katie Scarlett Reed *Marina, Calif.*
Ellyson Ululani Williams *Waimea, Hawaii*

Major in Sociology

Cori Jane Hyde *Des Moines, Iowa*
THESIS: Women and agriculture education: A
framework for inclusion

Joel Christian Willers *Burlington, Iowa*
THESIS: Methods for extracting data from the
Internet

Major in Statistics

Amy Marie Crawford *Detroit Lakes, Minn.*
Lawrence Yu Harn Hii *Des Moines, Iowa*
Manju Mariam Johny *Valley Park, Mo.*

Joseph Eduardo Papio *Columbus, Ohio*
Nehemias Ulloa *Bakersfield, Calif.*
Yifan Wang *Beijing, China*

Major in Toxicology

Douglas B. Snider *Princeton, Mo.*
THESIS: Hazard identification, diagnostic
investigations, and risk communication on
the subject of pine needle abortion

Major in Veterinary Microbiology

Kristina Lantz *Boone, Iowa*
THESIS: Evaluation of MALDI Biotyper for
identification of *Taylorella equigenitalis* and
Taylorella asinigenitalis

Major in Veterinary Preventive Medicine

Franco S. Matias Ferreyra *Ames, Iowa*
THESIS: Characterization of strain PTV-2
USA/IA65463/2014 and strain PTV-11 USA/
IA09592/2013 of *Teschovirus A*: Experimental
inoculation, distribution of nucleic acids and
development of *Teschovirus encephalomyelitis*

Major in Wildlife Ecology

Joseph James Lambert *Mason City, Iowa*
THESIS: Grassland bird community response
to vegetative diversity in restorations in
northwestern Iowa

Jennifer Elaine Swanson *Philomath, Oreg.*
THESIS: Amphibian occupancy and effects of
habitat use on pesticide exposure in Iowa
agricultural wetlands

Multiple Curricula and Majors

Ji Yeow Law *Shah Alam, Malaysia*
MAJORS: Agricultural and Biosystems
Engineering and Civil Engineering
(Environmental Engineering)
THESIS: Opportunities and challenges to
use electrical stimulation for enhanced
denitrification in woodchip bioreactors

Tyler Jeffrey Madsen *Big Lake, Minn.*
MAJORS: Geology and Environmental Science
THESIS: Evaluation of a distributed
streamflow forecast model at multiple
watershed scales

Jeffrey Lincoln Neel *Des Moines, Iowa*
MAJORS: Information Assurance and
Computer Engineering
THESIS: ISEConf: A management tool for
the ISEAGE Environment to allow users to
create a custom mock internet for testbed
research

David Weisberger *Bronx, N.Y.*
MAJORS: Sustainable Agriculture and Crop
Production and Physiology and Global
Resource Systems and Environmental Studies
THESIS: Production, perceptions and
limitations of organic small grains in Iowa

DEGREE RECIPIENTS FROM THE COLLEGE OF AGRICULTURE AND LIFE SCIENCES

BACHELOR OF SCIENCE

Curriculum in Agricultural and Life Sciences Education

| | | | |
|---|--------------------------------|-------------------|------------------|
| Krista Louise Downing ** Jacalynn Marie Gumz | Linden, Iowa Endeavor, Wis. | Aleana Rose Riley | Blue Grass, Iowa |
|---|--------------------------------|-------------------|------------------|

Curriculum in Agricultural Business

| | | | |
|--|--|---|-----------------------------------|
| Isaac Joseph Ambrosy Tyler Scott-Larry Berget Nicholas Dittmar | Bellevue, Iowa Darlington, Wis. Richmond, Ill. | Evan Jacob Johnson Alex Joseph Scott | Story City, Iowa Walcott, Iowa |
|--|--|---|-----------------------------------|

Curriculum in Agricultural Studies

| | | | |
|---|--|---|--|
| Jacob Elijah Callender Christopher P. Castek Cole Allen Dickey Tara Marcella Durian Brady Alan Garrelts | Lowden, Iowa Osage, Iowa Charlotte, Iowa Oskaloosa, Iowa Ruthven, Iowa | Kayla Lynn Greif Dylan Wayne Lyman Grant Robert Maurer Emily Elizabeth Seidl | Central City, Iowa Holland, Iowa Wilton, Iowa Coon Rapids, Iowa |
|---|--|---|--|

Curriculum in Agricultural Systems Technology

| | |
|--------------------------|----------------|
| Steven Tyler Paul Willke | Van Wert, Iowa |
|--------------------------|----------------|

Curriculum in Agriculture and Society

| | |
|-----------------------|-----------------|
| Justin Scott Schwebke | Belvidere, Ill. |
|-----------------------|-----------------|

Curriculum in Agronomy

| | |
|----------------------|---------------|
| Landon Arthur Sexton | Titonka, Iowa |
|----------------------|---------------|

Curriculum in Animal Ecology

| | | | |
|---|--|--|--|
| Jennifer Marie Dammann Steven David Donohue Ethan Malcolm Hulett Michael Elliot Mitchell Julia Pfeiffer | Wyoming, Iowa Blakesburg, Iowa St. Louis Park, Minn. Johnston, Iowa Ames, Iowa | Caroline Ryciuk Jordyn Elisabeth Scumaci Breanna Nichole Sorg Kelsey C. Vande Steeg | Niles, Ill. Bartlett, Ill. Darien, Wis. Pella, Iowa |
|---|--|--|--|

Curriculum in Animal Science

| | | | |
|--|--|--|--|
| Will Edward Crum Alyssa Lee Deluca * Rachel R. Dubbink Corinne Elizabeth Googe Jared Spencer Gradeless ** Chase Carter Gross * Marie L Hendren | New Market, Iowa Berkeley Heights, N.J. Eagan, Minn. Omaha, Neb. Melrose, Iowa Solon, Iowa Elk Grove Village, Ill. | Avery Joseph Jolin Ashlee Renee Lagerstrom Daniel Robert Rink Brittany Jane Tucker Mallory J. Ulferts * Megan Marie Valentine | Sioux City, Iowa Davenport, Iowa Mount Prospect, Ill. Fairfax, Iowa Swisher, Iowa Dubuque, Iowa |
|--|--|--|--|

Curriculum in Biology

| | | | |
|------------------------------|------------------------|-----------------------|---------------------|
| Jeremy Andersen | Hot Springs, Ark. | Andrew Allen Guinness | Wesley Chapel, Fla. |
| Nur Qhuraisha Annuar | Sungai Siput, Malaysia | Suneva Nielson | Albert City, Iowa |
| Hannah Grace Bellows | Parkersburg, Iowa | Austin Smith | Carroll, Iowa |
| *** Courtney Nicole Carradus | Cedar Rapids, Iowa | Rachel Marie Weiland | Wesley, Iowa |

Curriculum in Forestry

Justin Curtis Dunn Mount Pleasant, Iowa

Curriculum in Genetics

Tenaj Madison Goebel Maplewood, Minn.

Curriculum in Global Resource Systems

Rebecca Marie Gerdes Webster City, Iowa

Curriculum in Horticulture

Keegan John Cook Robins, Iowa

Curriculum in Industrial Technology

| | | | |
|----------------------|-------------------|---------------------------|-------------------|
| Cameron Michael Cate | Honey Creek, Iowa | Alexander Bryce Hirst | Nevada, Iowa |
| Brett James Fechner | Batavia, Ill. | Gerard Eugene Hoskins Jr. | Rock Island, Ill. |
| Jarrold Seton Hanson | Ames, Iowa | Blake Adam Symons | Des Moines, Iowa |

Curriculum in Microbiology

| | | | |
|-----------------------|------------------|------------------------|----------------------|
| Nicholas P. Costleigh | Valencia, Calif. | Hanna LaRae Gavic | Madison, Wis. |
| Alexandria E. Ellis | Ankeny, Iowa | Elsa E. Obando Marrero | Guayama, Puerto Rico |

Curriculum in Public Service and Administration in Agriculture

Kalli Dallone Olson Eagle Grove, Iowa

Multiple Curricula and Majors

| | | | |
|---|--------------|---|---------------|
| Sean Isabel Hamilton | Joliet, Ill. | Ellen Ruth Lupkes | Osceola, Iowa |
| Horticulture and Liberal Arts and Sciences: World Languages and Cultures (Spanish) | | Agricultural and Life Sciences Education and International Agriculture | |

DEGREE RECIPIENTS FROM THE IVY COLLEGE OF BUSINESS

BACHELOR OF SCIENCE

Major in Accounting

| | | | |
|-------------------------|-----------------------|------------------------|-----------------------|
| Kwaku M. Akompong | Chicago, Ill. | Alexander Keith Maurer | Bourbonnais, Ill. |
| Laura Mae Appelen | Plymouth, Minn. | Connor Patrick Quilty | Libertyville, Ill. |
| Jinfeng Chen | Guangzhou, China | Pierce Joseph Schultz | Edina, Minn. |
| Chounnarin Chim | Seattle, Wash. | Yiwei Song | Suzhou, China |
| Wai Lam Chui | Auburn, Wash. | Terrence D. Washington | Cedar Rapids, Iowa |
| Emily Anne Condon | Windsor Heights, Iowa | Siyang Wei | Dongyang, China |
| Sarah A. Jackson | Urbandale, Iowa | Mitchell J. Woods | West Des Moines, Iowa |
| Seamus Paul Kelly | St. Paul, Minn. | Ryan Lawrence Yung | Fort Dodge, Iowa |
| Connor Frederick Larsen | Nevada, Iowa | | |

Major in Finance

| | | | |
|-----------------------|--------------------|---------------------------|--------------------|
| Zane Julian Armstrong | Burlington, Iowa | Kara Lynn Morris | Omaha, Neb. |
| Chongyu Chen | Chongqing China | Jeffrey Alexander Schmidt | Crystal Lake, Ill. |
| Jiada Cheng | Guangzhou, China | Zheng Shi | Hefei, China |
| Brody Alexander Cone | Cedar Rapids, Iowa | Leah Noel Simon | Wheaton, Ill. |
| Barry Judd Denoble | Spirit Lake, Iowa | Jordan Lee Tietz | Algona, Iowa |
| Ryan William Fischer | Nicollet, Minn. | * Yunyu Tong | Zhengzhou, China |
| Abby Nicole Funk | Ankeny, Iowa | Kurt Thomas Vinje | Chanhassen, Minn. |
| Jiaqi Ge | Nantong, China | Elizabeth Marie Welu | Dubuque, Iowa |
| Alexander P. Grose | Fairfax, Va. | Miao Wen | Suzhou, China |
| Brad Allen Hobbs | Omaha, Neb. | Yujin Xu | Shanghai, China |
| Shan Jiang | Shenzhen, China | Ryan Lawrence Yung | Fort Dodge, Iowa |
| Edward Kwaw-Mensah | Ames, Iowa | Jie Zhang | Hangzhou, China |
| Bing Liu | Chongqing, China | Yanrui Zhang | Beijing, China |
| Yang Lyu | Hangzhou, China | | |

Major in Management

| | | | |
|----------------------|-------------------|-------------------------|--------------------|
| Emre Akdag | Istanbul, Turkey | Brian James Lemke | Williams Bay, Wis. |
| Dallas Lee Brumels | Norwalk, Iowa | Annie Elizabeth Meyer | Cedar Rapids, Iowa |
| Colton James Hurst | St. Charles, Iowa | Jacob Michael Miller | Dubuque, Iowa |
| Taylor Scott Kendall | Madrid, Iowa | Brooks O'Donnell Rennie | Maple Grove, Minn. |
| Kathryn A. Leidahl | Davenport, Iowa | Colten Roy Tennison | Waukee, Iowa |

Major in Management Information Systems

| | | | |
|----------------------|--------------------|--------------------------|-----------------------|
| LaFawn Bree Baccam | Marshalltown, Iowa | Ehsan Javid | Sioux City, Iowa |
| Jinfeng Chen | Guangzhou, China | Mitchell Philip Peterson | Grayslake, Ill. |
| Ali Demirci | Gaziantep, Turkey | Markus Michael Reed | Charter Oak, Iowa |
| Logan Dean Grimm | Davenport, Iowa | Rustico Eliodoro Santos | West Des Moines, Iowa |
| Jack Hunter Hillmann | Moline, Ill. | * Cale James Truhlsen | West Des Moines, Iowa |

Major in Marketing

| | | | |
|-------------------------|-----------------------|---------------------------|---------------------|
| Madison L. Foust | West Des Moines, Iowa | Taban Gordon Nono | Hazel Crest, Ill. |
| Austin Harvey Hanner | Ankeny, Iowa | Evan S. O'Connor | Barrington, Ill. |
| Mariela I. Hernandez | Sioux City, Iowa | Alec Patrick Perry | Woodbury, Minn. |
| Nicholas Bradford Krone | Omaha, Neb. | Randa Catherine Scaglione | Des Moines, Iowa |
| Alexander Drake Lelonek | Ames, Iowa | Rodger Louis Sperling | Madrid, Iowa |
| Krista Hillary Mayanja | Sugar Land, Tex. | Cullen Brian Trnka | Lonsdale, Minn. |
| Brody Jeffrey Meade | Le Claire, Iowa | Lorianna Beth Winegarden | South English, Iowa |

Major in Supply Chain Management

| | | | |
|------------------------|------------------|---------------------|---------------------|
| Tyler McAllister Adams | Bettendorf, Iowa | Carson Paul Gardner | Ames, Iowa |
| Taylor Anne Armstrong | Duluth, Minn. | Huong Thi Nguyen | Davenport, Iowa |
| Sami Dika | Beacon, N.Y. | Michael Steven Roth | Eden Prairie, Minn. |
| Manze Julie Feng | Harbin, China | Ting Yang | Hui Tong, China |
| Daniel Paul Franz | Naperville, Ill. | | |

Multiple Curricula and Majors

| | | | |
|---|-----------------------|---|-------------------------|
| ** Alexandra Jean Broderick | Baxter, Iowa | Michael Cummings Rocchio | Bloomfield Hills, Mich. |
| Accounting and International Business | | Accounting and Finance | |
| Emily Ann Brown | Des Moines, Iowa | Autum K. Song | Des Moines, Iowa |
| Management and International Business | | Management and Marketing | |
| Kylie Kathleen Hamerlinck | Davenport, Iowa | ** Kelly Karson Spoth | Polk City, Iowa |
| Marketing and Liberal Arts and Sciences: Communication Studies | | Management Information Systems and Liberal Arts and Sciences: Psychology | |
| Timothy Francis Jiracek | West Des Moines, Iowa | | |
| Management Information Systems and Supply Chain Management | | | |

DEGREE RECIPIENTS FROM THE COLLEGE OF DESIGN

BACHELOR OF ARCHITECTURE

Curriculum in Architecture

| | | | |
|-------------------------|--------------------------|-------------------------|-----------------------------|
| Kyle Steven Chakour | <i>Blue Grass, Iowa</i> | Monique Marie Rodriguez | <i>Arecibo, Puerto Rico</i> |
| ** Amanda Rose Hoefling | <i>Marcus, Iowa</i> | Tripti Upreti | <i>Ames, Iowa</i> |
| * Kaitlin C. Izer | <i>Cedar Falls, Iowa</i> | *** Connor J. Yocum | <i>Johnston, Iowa</i> |
| Preston Nicholas Mila | <i>Des Moines, Iowa</i> | | |

BACHELOR OF ARTS

Curriculum in Interdisciplinary Design

| | | | |
|-----------------------|---------------------------|--------------------|---------------------------|
| Caris Michelle Brucki | <i>McHenry, Ill.</i> | William Bryan Okpi | <i>Marshalltown, Iowa</i> |
| Jennifer Kay Lafrenz | <i>Cedar Rapids, Iowa</i> | | |

Multiple Curricula and Majors

| | |
|---|------------------------|
| * Mackenzie Knight | <i>Urbandale, Iowa</i> |
| <i>Art and Design and Liberal Arts and Sciences: Major in Religious Studies</i> | |

BACHELOR OF FINE ARTS

Curriculum in Graphic Design

| | | | |
|----------------------------|----------------------------|-------------------------|-----------------------------|
| Joseph P. Brown | <i>Bakersfield, Calif.</i> | Brenda Anne McArtor | <i>Crawfordsville, Iowa</i> |
| Christopher Kevin Gearhart | <i>Johnston, Iowa</i> | Victoria Lafaun Orrante | <i>Des Moines, Iowa</i> |
| Kelly Kelechi Ikemenogo | <i>Dallas, Tex.</i> | Maranda Kay Orth | <i>Council Bluffs, Iowa</i> |

Curriculum in Integrated Studio Arts

| | | | |
|--------------------------|--------------------------|--------------------|------------------------|
| Yuma Simone Izumi | <i>Chesterfield, Mo.</i> | Emily Gray Shriver | <i>Iowa City, Iowa</i> |
| Shelby Elizabeth Maxwell | <i>Iowa City, Iowa</i> | | |

Curriculum in Interior Design

| | |
|----------------------|--------------------|
| Haley Jean Brenneman | <i>Keota, Iowa</i> |
|----------------------|--------------------|

Multiple Curricula and Majors

| | |
|--|----------------------|
| Mitchell Paul Franck | <i>Dubuque, Iowa</i> |
| <i>Graphic Design and Business: Major in Marketing</i> | |

BACHELOR OF INDUSTRIAL DESIGN

Curriculum in Industrial Design

| | | | |
|---------------------------|------------------|------------------------|--------------------|
| * Cody James Chapman | Ankeny, Iowa | * Ryan L. Peterson | Sheldon, Iowa |
| Michael Anthony Day II | Bettendorf, Iowa | James D. Riley | Iowa City, Iowa |
| * Eric Allen Engdahl | Mundelein, Ill. | Matthew M. Rottinghaus | Nora Springs, Iowa |
| ** Katherine Sera Gitchel | Des Moines, Iowa | Brice Richard Voss | Spirit Lake, Iowa |
| Nathaniel Lee Holmes | Galt, Iowa | | |

BACHELOR OF LANDSCAPE ARCHITECTURE

Curriculum in Landscape Architecture

| | |
|---------------|------------|
| Mingfang Zhou | Ames, Iowa |
|---------------|------------|

DEGREE RECIPIENTS FROM THE COLLEGE OF ENGINEERING

BACHELOR OF SCIENCE

Curriculum in Aerospace Engineering

| | | | |
|------------------------|-----------------------------|-----------------|------------------------------|
| John James Edwards | <i>Brooklyn Park, Minn.</i> | Isaac M. Tyrrel | <i>West Des Moines, Iowa</i> |
| Jonathon Joseph Minnec | <i>Glen Ellyn, Ill.</i> | | |

Curriculum in Agricultural Engineering

| | |
|-------------------|-------------------------|
| Luke Thomas Hanke | <i>Stacyville, Iowa</i> |
|-------------------|-------------------------|

Curriculum in Biological Systems Engineering

| | | | |
|-----------------------|-----------------------|----------------------|--------------------|
| Evan Merrill Anderson | <i>Johnston, Iowa</i> | Sean Kenneth Gilbert | <i>Osage, Iowa</i> |
|-----------------------|-----------------------|----------------------|--------------------|

Curriculum in Chemical Engineering

| | | | |
|----------------------------|------------------------------|--------------------------|-----------------------------|
| Sultan Tawfig Alsayegh | <i>Jeddah, Saudi Arabia</i> | Madelyn May Plain | <i>Des Moines, Iowa</i> |
| Matthew Jon Gabbard | <i>Prior Lake, Minn.</i> | Dennis Sutanto | <i>Kediri, Indonesia</i> |
| Abdul Jabbar Julizar | <i>Nilai, Malaysia</i> | Corey David Trankel | <i>Apple Valley, Minn.</i> |
| Joshua Kolker | <i>St. Charles, Ill.</i> | Carson Christopher Wells | <i>Argyle, Tex.</i> |
| *** Meesha Jo Legg | <i>Des Moines, Iowa</i> | Jianing Wu | <i>Haining, China</i> |
| Jose Freidy Maldonado | <i>Storm Lake, Iowa</i> | Yahya Khalid Zahim | <i>Jeddah, Saudi Arabia</i> |
| ** Kendall Brody Neuberger | <i>West Des Moines, Iowa</i> | Xinyi Zou | <i>Chongqing, China</i> |
| ** Kelley Vincent Okoren | <i>Holmen, Wis.</i> | | |

Curriculum in Civil Engineering

| | | | |
|---------------------|--------------------------------|------------------------|------------------------|
| Andrew J. Hostetler | <i>Burlington, Iowa</i> | Mateusz Rolkowski | <i>Olsztyn, Poland</i> |
| Hasung Kim | <i>Yeonggwang, South Korea</i> | Mary Elizabeth Warhank | <i>Davenport, Iowa</i> |
| Olamide Samuel Koya | <i>Abuja, Nigeria</i> | | |

Curriculum in Computer Engineering

| | | | |
|--------------------------|---------------------------|---------------------------|------------------------------|
| Kimberly Nicole Arundale | <i>Marion, Iowa</i> | Benjamin Robert Kixmiller | <i>Walnut, Iowa</i> |
| Nicholas A. Bramanti | <i>Bloomington, Minn.</i> | Ian Gerald MacDonald | <i>Lakeville, Minn.</i> |
| Matthew E. Dalton | <i>Geneva, Ill.</i> | Andrew T. Marshall | <i>Dana, Iowa</i> |
| Robert Louis Hansen | <i>DeKalb, Ill.</i> | Alan Robert Tentinger | <i>Paullina, Iowa</i> |
| Jonathan M. Haut | <i>Cedar Rapids, Iowa</i> | Matthew Curtis Wilkinson | <i>West Des Moines, Iowa</i> |
| Chiakang Hung | <i>Taipei, Taiwan</i> | | |

Curriculum in Construction Engineering

| | | | |
|----------------------|---------------------|----------------------|----------------------------|
| Joshua Gunnar Clark | <i>Ames, Iowa</i> | Gregory Thomas Musil | <i>Downers Grove, Ill.</i> |
| Jacob Evan Harrelson | <i>Ankeny, Iowa</i> | | |

Curriculum in Electrical Engineering

| | | | |
|-----------------------------|-----------------------------|------------------------|---------------------------|
| ** Peter Richard Ada Bonnie | <i>Eden Prairie, Minn.</i> | Sebastian Allan Roe | <i>Blue Grass, Iowa</i> |
| Brandon James Floyd | <i>Council Bluffs, Iowa</i> | Matthew M. Rottinghaus | <i>Nora Springs, Iowa</i> |

Curriculum in Industrial Engineering

Megan Marie Beck Roscoe, Ill.
Alexander Austin Johnson Downers Grove, Ill.

Alexandria Marie Koepke Grayslake, Ill.
** Veronica Marie White Lincolnwood, Ill.

Curriculum in Mechanical Engineering

Jiawei Bao Suzhou, China
Trevor Michael Brey Lake in the Hills, Ill.
Aaron T. Carter Eden Prairie, Minn.
Khai Sheng Chan Kuala Lumpur, Malaysia
Yiqun Chen Shenzhen, China
* Michael John Conroy Johnsbury, Ill.
Ryan James Cooksley Independence, Iowa
Connor M. Eberhardt Batavia, Ill.
Alagendrah Gonaserger
Wilayah Persekutuan, Malaysia
Lucas Woodrow Hahn Blairstown, Iowa
Robert James Hanson North Liberty, Iowa
** Joshua R. Higginbottom West Des Moines, Iowa
Dillon James Huss Iowa City, Iowa
Nathan Robert Janssen Minnetonka, Minn.
Muhamad Hadi Afendi Johari
Kuala Lumpur, Malaysia
Daniel Konsor Deer Park, Ill.
Steven Andrew Lischer Urbandale, Iowa
Eduardo Lorenzana Cincinnati, Ohio
Eric James Lundeen Roseville, Minn.
Chris Mack Marshalltown, Iowa
* Brendan Patrick McAlister Bayard, Iowa

Daniel McDonald Des Plaines, Ill.
Muhammad Faez Mohammad Nizam Alor Setar, Malaysia
Muhammad Raffiq Mohd Khalil Cheras, Malaysia
Christopher Moore Chanhassen, Minn.
** Winston Luke Mulder Marshalltown, Iowa
Zachary Burton Olson Odebolt, Iowa
Michael James Panek Woodridge, Ill.
Pahalawattage Praneeth Udayanga Perera Colombo, Sri Lanka
Ullas Prakasan Bangalore, India
Zachary Ryan Reusch Lake Zurich, Ill.
Estefania Rodriguez Plymouth, Minn.
Pathik Rustagi Gurgaon, India
Navneet Singhal Ghaziabad, India
Timothy John Sluik Mason City, Iowa
Dustin David Smith Huxley, Iowa
Scott Charles Stephan Shoreview, Minn.
Yanxi Wang Chengdu, China
Brian Edward Wood Mason City, Iowa
Yuanhong Xu Qingdao, China
Jianning Zhu Zibo, China

Curriculum in Software Engineering

Anish Reddy Kunduru Salinas, Calif.

Chao Song Zhoukou, China

Multiple Curricula and Majors

Anna Elizabeth Lunzer Minnetonka, Minn.
Chemical Engineering and Liberal Arts and Sciences: Major in World Languages and Cultures (French)

Fengze Sun Nanchang, China
Chemical Engineering and Business: Major in Marketing

DEGREE RECIPIENTS FROM THE COLLEGE OF HUMAN SCIENCES

BACHELOR OF SCIENCE

Curriculum in Apparel, Merchandising, and Design

| | | | |
|-------------------------|-----------------------|-------------------------|-------------------|
| Jacqueline M. Bales | Walcott, Iowa | Basilia Mercedes Koster | Davenport, Iowa |
| Sarah Taylor Brown | Grimes, Iowa | Krystina L. Milakovic | Belle Isle, Fla. |
| Nathan Daniel Covington | Palo, Iowa | Meredith Elyce Miller | Ottumwa, Iowa |
| Callista Marie Duve | West Des Moines, Iowa | * Jaden Mueller | Burlington, Iowa |
| Lauren Ashleigh Elskamp | Minnetrista, Minn. | Alissa Marie Noel | Asbury, Iowa |
| Karen Cecilia Erroa | Osceola, Iowa | Jayne Maria Passehl | Deer Park, Ill. |
| Taylor Marie Evans | Chatham, Ill. | Kendra Kae Petersen | Hampton, Iowa |
| Bailey Anne Hagen | Spencer, Iowa | Heather M. Reimers | Des Moines, Iowa |
| Madeline Ladonna Hoy | Plymouth, Minn. | Nathan Matthew Thelen | Spirit Lake, Iowa |

Curriculum in Child, Adult, and Family Services

| | | | |
|---------------------------|--------------------|---------------------------|-----------------------|
| * Brandon Reece Arkland | Webster City, Iowa | ** Briannan D. Langdon | Anamosa, Iowa |
| Nicole Ann Behrens | Carroll, Iowa | * Brianna Lynn Laughlin | Marshalltown, Iowa |
| *** Rebecka Ranae Bennien | Ankeny, Iowa | Ashley N. McBride | Fort Dodge, Iowa |
| Brklyn Drake Braaksma | Newton, Iowa | * Julia Leah Mendelsohn | Urbandale, Iowa |
| * Jordan Nicole Branch | Radcliffe, Iowa | Maggie Beth Nielsen | Norwalk, Iowa |
| * Morgan Claire Bridges | Johnston, Iowa | Sydney Anne Phillips | Auburn, Iowa |
| Katherine Louise Brimeyer | Urbandale, Iowa | Natalie Ann Potter | Moulton, Iowa |
| Chloe Elizabeth Corbin | Eldridge, Iowa | * Jenna Ranae Preston | Waukee, Iowa |
| Jacqueline Belle Detrick | Paullina, Iowa | Morgan Kate Roy | Knoxville, Iowa |
| Megan Marie Ehlers | Westside, Iowa | * Elizabeth Amber Schmidt | Urbandale, Iowa |
| * Sasha Ann Forret | Cedar Rapids, Iowa | * Tara Jacquelyn Shattuck | West Des Moines, Iowa |
| Alexis Joy Frank | Des Moines, Iowa | Alma A. Silva Morales | Marshalltown, Iowa |
| Maggie Marie Gatewood | Omaha, Neb. | *** Kelsey Kay Smith | Mount Pleasant, Iowa |
| Jordyn Ann Halls | Milo, Iowa | Justine Chantelle Stevens | Boone, Iowa |
| *** Kara Jo Hausman | Halbur, Iowa | Alexa Rae Trickle | Ames, Iowa |
| Callie Henning | Shawnee, Kans. | * Hailee Kaylynn Weiss | Toledo, Iowa |
| Stephanie Houston | Chicago, Ill. | * Brodie Morgan Wilson | Reisterstown, Md. |
| Sydney Samone Kilgore | Rockford, Ill. | | |

Curriculum in Diet and Exercise

| | |
|--------------------|--------------|
| ** Leah Marie Reed | Grimes, Iowa |
|--------------------|--------------|

Curriculum in Event Management

| | | | |
|----------------------------|--------------------|---------------------------|-----------------------|
| James Dillon Altwegg | Las Vegas, Nev. | Emmaline Elizabeth McNeal | Council Bluffs, Iowa |
| *** Leah Blankespoor | Pella, Iowa | * Jaden Mueller | Burlington, Iowa |
| Ellie Carver | Cedar Rapids, Iowa | Karla Lissette Perez | Carolina, Puerto Rico |
| ** Carrie Marie Cunningham | Newton, Iowa | Bailee O'Brien Person | Des Moines, Iowa |
| Moriah Lauren Greenhill | Libertyville, Ill. | McKenna S. Pierce | Waukee, Iowa |
| ** Kate Elizabeth Heisler | Pella, Iowa | Nicholas James Pohorsky | Batavia, Ill. |
| Maria Jacavino | Ankeny, Iowa | Alison Nicole Smith | Council Bluffs, Iowa |
| Mhikeyaly Martyse Knight | Ames, Iowa | Megan Ann Van Kirk | Cedar Rapids, Iowa |

Curriculum in Family and Consumer Sciences Education and Studies

| | | | |
|-------------------------|-------------|----------------------|------------------|
| Rachel Hope Blair | Adel, Iowa | Dante Choato Maricle | Des Moines, Iowa |
| * Jacquelyn Ann De Witt | Logan, Iowa | | |

Curriculum in Food Science

Matthew Phillip Kapaun Orchard Park, N.Y.

Curriculum in Hospitality Management

Jiajie Chen Hangzhou, China
Jessica Lee Duerr Owatonna, Minn.
Jennifer Lynn Hampe Lake Zurich, Ill.
Xinming Hu Fushun, China

Maria Jacavino Ankeny, Iowa
Creshae Dominique Johnson Minneapolis, Minn.
Seulkee Kim Yeo-ju si, Korea
Si Liu Beijing, China

Curriculum in Kinesiology and Health

** Sabrina Lee Austin Coralville, Iowa
* Hannah Kjirsten Bartlett Clear Lake, Iowa
Alexander Martin Baylor Mingo, Iowa
Kurt Steven Bieniek Rochester, Minn.
Matthew Paul Bohlmann Palatine, Ill.
Tiffany Marie Bosse Westfield, Iowa
* Morgan Lynn Bowman Otho, Iowa
Hannah Marie Brenneman Keota, Iowa
Tyren Julius Brockamp Sioux City, Iowa
Gerard Patrick Bruns Rochester, Minn.
Mackenzie D. Callahan Austin, Minn.
Trevor William Callahan Mason City, Iowa
Erica Jane Campbell Adel, Iowa
Laura A. Campion Fridley, Minn.
Andrew Carlson Livonia, Mich.
Whitney Jean Carlson Grimes, Iowa
Chace Alan Chambers Dallas Center, Iowa
Corey Thomas Church Ames, Iowa
Cassandra Leigh de Neu Dunkerton, Iowa
* Alexandra C. Fietsam Davenport, Iowa
Janet Fonseca Marshalltown, Iowa
Scott Blair Goldsmith Grimes, Iowa
Tanner Stephenson Hinkle West Des Moines, Iowa
Suzanne Lisa Horner State College, Pa.
Logan C. Jepsen Pocahontas, Iowa
Dustin Paul Kleffman Portsmouth, Iowa
Nicole M. Langel Manning, Iowa
Marissa Christine Leake Manly, Iowa

Austin James McCool Ames, Iowa
Nickolas Keith Meeks Davenport, Iowa
Evan D. Meinders Swaledale, Iowa
Alexis Patricia Miller Minneapolis, Minn.
Alexa Rea Neumeister Platteville, Wis.
Kayla E. Palm St. Anthony, Minn.
Alissa Marie Paulsen Stillwater, Minn.
Ryan Francis Pieper Fort Dodge, Iowa
Kevin Charles Pikul La Grange Highlands, Ill.
Zachary Allen Polk Flower Mound, Tex.
Dennis T. Quitalig Mchenry, Ill.
** Kaitlin Marie Reeves Visalia, Calif.
Trevor Vic Ryen Ida Grove, Iowa
Samual R. Sauer Vinton, Iowa
Emily Elizabeth Scott Johnston, Iowa
Dylan Mason Shoemaker Bettendorf, Iowa
Shelby J. Smith Stratford, Iowa
Kayla Paige Speer Danville, Iowa
Sydnie Taelor Spencer Fort Collins, Colo.
Liana Marie Staner Cascade, Iowa
Dalton John Stowers Lowden, Iowa
Cindy Tello Des Moines, Iowa
Meg T. Tully Gurnee, Ill.
Kali Michele Umble Monroe, Iowa
Morgan L. Varley Prairie Du Sac, Wis.
Paige Kristine Wardell Oelwein, Iowa
Devin Rebecca Wilmott Ames, Iowa
Joshua Lee Zimmerman Leon, Iowa

Curriculum in Nutritional Science

Liliana Claire Agrell Coralville, Iowa

Multiple Curricula and Majors

Morganne Nicolle Dooley Shelby, Iowa
Hospitality Management and Event
Management

* Katelyn Anna Sim Sioux Falls, S. Dak.
Event Management and Liberal Arts and
Sciences: Public Relations

** Alyssa Kathleen Priebe Amana, Iowa
Apparel, Merchandising, and Design and
Liberal Arts and Sciences: Journalism and
Mass Communication

Shelby Lynn Sperlich Ankeny, Iowa
Apparel, Merchandising, and Design and
Business: Marketing

DEGREE RECIPIENTS FROM THE COLLEGE OF LIBERAL ARTS AND SCIENCES

BACHELOR OF ARTS

Major in Advertising

| | | | |
|-------------------------|----------------------|-----------------------------|----------------------|
| Katie Lynn Alexander | Evergreen Park, Ill. | Sean Gruggen | Bloomington, Minn. |
| Haley Jane Allsop-Adams | Nevada, Iowa | Andrew David Noonan | Elk Grove, Ill. |
| Patrick J. Budding | Grinnell, Iowa | * Christian David Spendlove | San Antonio, Tex. |
| David James Coconate | Wood Dale, Ill. | Katie Lynn Wallner | Brookfield, Ill. |
| Kevin M. Corcoran | Mason City, Iowa | Soyeon Yoo | Seoul, South Korea |
| Michael George Foster | Lakeville, Minn. | Ji Sen Yoon | Daejeon, South Korea |
| Alec Samuel Grodnitzky | Ames, Iowa | | |

Major in Anthropology

Ben Dwire Anstoetter West Des Moines, Iowa

Major in Chemistry

James Pontone Hildreth St. Louis, Mo.

Major in Communication Studies

| | | | |
|------------------------|------------------|------------------------|-----------------------|
| Carolyn Nichole Andrew | Des Moines, Iowa | Matthew David Lemken | West Des Moines, Iowa |
| Victoria Ann Kubinski | Plymouth, Minn. | Joanne Carolyn Schiele | Glenview, Ill. |

Major in Criminal Justice Studies

Jasmine Ayard Waterloo, Iowa

Major in English

| | | | |
|-----------------------------|------------------|-------------------------|------------------|
| ** Lauren Elizabeth Mallott | Omaha, Neb. | Colbie Lynn Scholten | Bloomfield, Iowa |
| Megan Anne McLaughlin | Adel, Iowa | Thomas Jene Sigmund | McHenry, Ill. |
| Nathan J. Sandbothe | Des Moines, Iowa | Delaney Grace Vierkandt | Alden, Iowa |

Major in Interdisciplinary Studies (Criminology and Criminal Justice)

| | | | |
|-------------------------|----------------------|------------------------|--------------------|
| Daniel Joseph Brown | Bellevue, Iowa | Madison MaeLee Noble | Ankeny, Iowa |
| Tyseanna NaJoi Johnson | Brooklyn Park, Minn. | Jonathan M. J. Reed | Neola, Iowa |
| Lindsay Elaine Kaestner | Knoxville, Iowa | Renea Jacquelyn Siemer | Dow City, Iowa |
| Tonya Marie Merrbach | Salisbury, Pa. | Kaitlin A. Tomlinson | Des Moines, Iowa |
| Fatima Joann Newsome | Fort Dodge, Iowa | Armando Torres | Marshalltown, Iowa |

Major in Performing Arts

| | | | |
|-----------------------|-------------|------------------|------------------|
| * Adam Randall Kroksh | Akron, Iowa | Hannah Rublaitus | Coralville, Iowa |
|-----------------------|-------------|------------------|------------------|

Major in Philosophy

** Lazarus Adroit French Johnston, Iowa

§ Research Excellence Award
†† Teaching Excellence Award

Major in Political Science

| | | | |
|-------------------------|------------------|------------------------------|-------------------|
| Nathan C. Davis | Clarion, Iowa | Austin Richard Lenz | Bettendorf, Iowa |
| Diane Marie Fisher | Boone, Iowa | Andrew E. Manion James | Ames, Iowa |
| Nicholas Frank Gerhardt | Ankeny, Iowa | Joshua Michael Mosher | Bondurant, Iowa |
| Alex Jason Gile | Oskaloosa, Iowa | Andrea Lynn Mueller | Floral City, Fla. |
| Carsen Lyn Groth | Urbandale, Iowa | Dudzile Ndlovu | Palatine, Ill. |
| Christopher M. Larsen | Storm Lake, Iowa | Austin Thielmann | Manson, Iowa |
| Kathryn A. Leidahl | Davenport, Iowa | Zachary Carlyle Van Kovering | Roselle, Ill. |

Major in Psychology

| | | | |
|----------------------------|-----------------------|------------------------|------------------|
| Alexis Gail Adamowski | West Des Moines, Iowa | Kassidy Erin Spurgin | Osceola, Iowa |
| Lucina Belle Ames | Minneapolis, Minn. | Emma K. Tilley | Jefferson, Iowa |
| ** Mariah Michelle Schrack | Grinnell, Iowa | Kourtney K. Waterhouse | Burlington, Iowa |

Major in World Languages and Cultures (German)

| | |
|-------------------------|--------------|
| ** Amanda Rose Hoefling | Marcus, Iowa |
|-------------------------|--------------|

Multiple Curricula and Majors

| | | | |
|---|-----------------|---|-------------------|
| Tyler John Hemingson | Waverly, Iowa | Matthew Jon Molitor | Rock Island, Ill. |
| Interdisciplinary Studies (Criminology and Criminal Justice) and Psychology | | Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology | |
| Erin Marie Kinley | McGregor, Iowa | Nicole Marie Moritz | Hampton, Iowa |
| Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology | | Psychology and Interdisciplinary Studies (Criminology and Criminal Justice) | |
| Mariko Jasmine Lee | Crystal, Minn. | * Cole Michael Staudt | Floyd, Iowa |
| Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology | | Political Science and Public Relations | |
| Celia Claire Mathieu | Urbandale, Iowa | Lauren Kaylene Tucker | Creston, Iowa |
| Interdisciplinary Studies (Criminology and Criminal Justice) and Psychology | | Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology | |
| | | Deana D. Van Brocklin | Fairbank, Iowa |
| | | Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology | |

BACHELOR OF LIBERAL STUDIES

Major in Liberal Studies

| | | | |
|---------------------------|--------------------|-------------------------|-----------------------|
| Jennifer Jean Barry-Young | Davenport, Iowa | Ethan Robert Nelson | Ankeny, Iowa |
| Stephanie Lee Campbell | Denton, Tex. | Jade M. Nelson | West Des Moines, Iowa |
| Tyler Jordan Eastman | Boone, Iowa | Thomas Donald Oxenford | Waukee, Iowa |
| Benjamin James Haas | Cedar Rapids, Iowa | Katherine Marie Poirier | Des Moines, Iowa |
| Brandon Damon Harris | Cedar Hill, Tex. | Drake Edward Rooney | Urbana, Iowa |
| Julian Hwu | Audubon, Iowa | Jack McDonnell Sanders | Ames, Iowa |
| Elden Eshian Lai | Rochester, Minn. | Zachary James Toney | Collins, Iowa |
| Payton Brianna Larsen | Harlan, Iowa | Katie Bridget Vonnahme | Sioux City, Iowa |
| Michelle E. Lechtenberg | Festina, Iowa | Taylor Lorraine Walsh | Grand Rapids, Minn. |
| Breanna M. Lewis | Glidden, Iowa | Kate C. Waterman | Foxboro, Mass. |
| Mary Ann Magnell | Walcott, Iowa | Kelliann Kay Zahrt | Shell Rock, Iowa |

BACHELOR OF SCIENCE

Major in Anthropology

** Miranda Elizabeth Barnes *Iowa City, Iowa* ** Lazarus Adroit French *Johnston, Iowa*

Major in Biology

Samuel Bryson Blythe *Williamsburg, Iowa* Tess Katherine Fewell *Swisher, Iowa*
Ashley Jeanne Curtis *Carlisle, Iowa* Sarah Elizabeth Klein *Henry, Ill.*
Cody Lee Elphic *Hampton, Iowa* Camelle Renee Vercher *Des Moines, Iowa*

Major in Chemistry

David Thomas Bainbridge *Mount Pleasant, Iowa*

Major in Computer Science

Joseph Scott Clanin *Macomb, Ill.* Taliesin W. Roth *West Des Moines, Iowa*
Andrew Truc Nguyen *Des Moines, Iowa*

Major in Earth Science

Kean A. Roberts *Ames, Iowa*

Major in Economics

Yvonne Chebet Cheruiyot *Blaine, Minn.*

Major in English

Luisa Rhodes Slater *New York, N.Y.*

Major in Genetics

* Joshua David Mentzer *Marion, Iowa* * Eranda L. Sooriyarachchi *Galle, Sri Lanka*
Justin Ryan Salazar *Espanola, N. Mex.*

Major in Geology

Anthony James Asbille *West Des Moines, Iowa* David Boyce Swider *Springfield, Va.*
Christopher R. Ladd *Rock Rapids, Iowa*

Major in History

Thomas Benjamin Stone *West Des Moines, Iowa* Vincent Louis Whitaker *Centerville, Iowa*

Major in Journalism and Mass Communication

Michael Robert Burvee *West Des Moines, Iowa* Blake Robert Rhoads *Ankeny, Iowa*
Alexander Joseph Cory *West Des Moines, Iowa* Andrew Wayne Smith *Ankeny, Iowa*
Erin Elizabeth Hooker *Fort Collins, Colo.* Tisa Jo Tollenaar *Sigourney, Iowa*
Jeffrey Robert Lechner *Omaha, Neb.* Rachel E. Trainum *Madrid, Iowa*
Si Li *LiuZhou, China* Jue Wang *Beijing, China*
Richard D. Martinez *Chicago, Ill.* Ryan Robert Young *Iowa City, Iowa*
Caitlyn Janee McCreight *Davenport, Iowa*

§ Research Excellence Award

†† Teaching Excellence Award

Major in Mathematics

Joseph Scott Clanin *Macomb, Ill.*

Major in Meteorology

Eric Andrew Manges *Rochester, Minn.* Mitchell John Morehead *Merrill, Iowa*

Major in Psychology

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|--------------------------------|-----------------------------|------------------------|-----------------------------|
| April Mikel Baldus | <i>Boone, Iowa</i> | Kadi Lynn DeGeest | <i>Hamilton, Iowa</i> |
| Sara Elizabeth Belay | <i>Cedar Rapids, Iowa</i> | Kelly Espinoza | <i>Council Bluffs, Iowa</i> |
| Kaitlyn Christine Bray | <i>Ankeny, Iowa</i> | Jeffrey Wendell Henry | <i>Santa Monica, Calif.</i> |
| Yvonne Chebet Cheruiyot | <i>Blaine, Minn.</i> | Lauren Elizabeth Lee | <i>Carlisle, Iowa</i> |
| Maria Paola De La Roche Ortega | <i>Valledupar, Colombia</i> | Zoey Elizabeth Lierman | <i>Marion, Iowa</i> |
| | | Tyler J. Steele | <i>Keystone, Iowa</i> |

Major in Public Relations

| | | | |
|---------------------------|------------------------------|----------------------------|-----------------------------|
| Mikayla Marie Christensen | <i>Lakeville, Minn.</i> | Corbin Elizabeth Jerde | <i>Golden Valley, Minn.</i> |
| Susan N. Cruz-Rodriguez | <i>West Des Moines, Iowa</i> | Katherine Josephine Kasper | <i>Roland, Iowa</i> |
| Allison Jane Dahlhauser | <i>Waterloo, Iowa</i> | Alexandra D. Lenger | <i>Moline, Ill.</i> |
| * Riley Bree Dunbar | <i>Canyon, Tex.</i> | Nicole Kaileen Onken | <i>Cambridge, Iowa</i> |
| Erin Nicole Eastman | <i>Boone, Iowa</i> | Ellie-Michael Marie Shane | <i>Clarinda, Iowa</i> |
| Emily Erickson | <i>North St. Paul, Minn.</i> | Alicia Anne Wagner | <i>Villisca, Iowa</i> |
| | | ** Alexa Lynn Weber | <i>Larkspur, Colo.</i> |

Major in Sociology

Brandon James Bailey *Ankeny, Iowa*

Major in Statistics

* Gunho Lee *Daejeon, South Korea* * Jihyun Lim *Seoul, South Korea*

Major in Technical Communication

Connor Patrick Berger *Dakota Dunes, S. Dak.*

Multiple Curricula and Majors

| | | | |
|---|--------------------------|---|------------------------------|
| Hugo Gerardo Bolanos | <i>Maravatio, Mexico</i> | * Andreas M. Haffar | <i>West Des Moines, Iowa</i> |
| Journalism and Mass Communication and International Studies | | Journalism and Mass Communication and International Studies | |
| Larae DiDonato | <i>Ankeny, Iowa</i> | Montana Kimberly Lechner | <i>Conrad, Iowa</i> |
| Sociology and Interdisciplinary Studies (Criminology and Criminal Justice) | | Psychology and Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology | |
| Erin Lynn Dobler | <i>Aurora, Ohio</i> | Larissa Salazar-Alvarez | <i>Chicago, Ill.</i> |
| Anthropology and Interdisciplinary Studies (Criminology and Criminal Justice) | | Psychology and Interdisciplinary Studies (Criminology and Criminal Justice) | |



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.*

* Distinguished Achievement Citation, the highest award granted to university alumni

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.

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 P. 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: Thorton 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 Wahlerlert 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 Telecom 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

* Distinguished Achievement Citation, the highest award granted to university alumni

* Distinguished Achievement Citation, the highest award granted to university alumni

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.

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)