



FALL COMMENCEMENT

FRIDAY, DECEMBER 16, 2022
SATURDAY, DECEMBER 17, 2022

IOWA STATE UNIVERSITY

Dear Iowa State University Graduates and Guests:

Congratulations to all of the Fall 2022 graduates of Iowa State University!



Welcome to Iowa State University's Fall 2022 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 164th year as the state's only land-grant university. We are proud to be one of the most student-centered public research institutions in the country. Through our distinct mission of education, research, and extension, Iowa State is preparing students for fulfilling careers and lives and for meeting the needs of society. Iowa State graduates will become the professionals, entrepreneurs, and leaders of our state, nation, and world; and their future accomplishments will reflect the exceptional quality of this university. As you graduate today, we thank you for being a part of this wonderful tradition and for supporting Iowa State's legacy of excellence.

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

Sincerely,

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

*Wendy Wintersteen
President of the University*

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*Candidates listed in this program reflect information received by the Office of the Registrar as of November 17, 2022.
Listing in this program is not proof of graduation.*

THE OFFICIAL UNIVERSITY MACE

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

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

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



THE PRESIDENTIAL CHAIN OF OFFICE

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

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



ACADEMIC REGALIA

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

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

Academic gowns have been part of the university experience since the twelfth century and the advent of the first European universities. Because these early schools were connected to great cathedrals, the black gown of the schoolmasters, or

scholastics, emulated the somber dignity of the clergy and signified a life devoted to learning. In addition, the ample materials of the gown served to keep the scholars warm in the drafty environment of the medieval university.

A confusing array of caps, gowns, and hoods emerged from the centuries in Great Britain and from early years of higher education in the United States. American institutions recognized the need for a standard code and the great majority of academic costumes now worn in the United States are in accordance with the general provisions of the Intercollegiate Code of 1895. This code was slightly revised in 1932 and again in 1959. Under this code, the bachelor's gown has pointed sleeves; the master's

gown has oblong sleeves with an arc at the bottom; and the doctor's gown has bell-shaped sleeves.

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

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

Agriculture and Life Sciences – *Maize*

Business – *Nugget*

Design – *Brown*

Engineering – *Orange*

Human Sciences – *Maroon*

Liberal Arts and Sciences

Bachelor of Arts – *White*

Bachelor of Liberal Studies – *White*

Bachelor of Music – *Pink*

Bachelor of Science – *Golden Yellow*

Veterinary Medicine – *Gray*

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

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

HOODING CEREMONY, DOCTORATE DEGREES

The Doctor of Philosophy and Doctor of Education are the university's highest academic degrees, 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" or "Doctor of Education." 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 Masters, Ph.D., or Ed.D. may be recognized with the Teaching Excellence Award or the Research Excellence Award.

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

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

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

- § Research Excellence Award
- †† Teaching Excellence Award

SPECIAL RECOGNITION, UNDERGRADUATE DEGREES

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

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

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

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

- *** Summa Cum Laude – with highest distinction (cardinal and gold cord)
- ** Magna Cum Laude – with great distinction (gold cord)
- * Cum Laude – with distinction (cardinal cord)
- † Honors Program (medallion)



Fall 2022

Graduate College
Commencement Ceremony
7:00 p.m., Friday, December 16, 2022
James H. Hilton Coliseum

GRADUATE COLLEGE COMMENCEMENT PROGRAM

7:00 p.m., Friday, December 16, 2022, 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
Cole Stephenson, Vocalist

Opening Remarks President Wendy Wintersteen

Commencement Address Beate Schmittmann,
Dean of the College of Liberal Arts and Sciences;
and Professor of Physics and Astronomy

**Recognition of Students Receiving
Research Excellence Awards
Teaching Excellence Awards** Provost Jonathan Wickert

Conferring of the Degrees Doctor of Philosophy and Doctor of Education President Wendy Wintersteen
Candidates presented by William Graves,
Dean of the Graduate College

Conferring of the Master's Degree President Wendy Wintersteen
Candidates presented by William Graves,
Dean of the Graduate College

The Class of 2022 and the Alumni Association Jeffery Johnson
Lora and Russ Talbot Endowed President and CEO
Iowa State University Alumni Association

Closing Remarks President Wendy Wintersteen

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

Recessional

La Mourisque..... Tylman Susato

GRADUATE COMMENCEMENT CEREMONY

Platform Officials

Wendy Wintersteen, President of the University
Beate Schmittmann, Dean of the College of Liberal Arts and Sciences; and Professor of Physics and Astronomy; and Commencement Speaker
Nancy Boettger, Board of Regents, State of Iowa
Nancy Dunkel, Board of Regents, State of Iowa
Toyia Younger, Senior Vice President for Student Affairs
John Lawrence, Vice President for Extension and Outreach
Peter Dorhout, Vice President for Research
Sharon Perry Fantini, Vice President for Diversity, Equity and Inclusion
Sharron Evans, Associate Vice President for Student Affairs; and Dean of Students
Carl Wells, Director of Equal Opportunity; and Title IX Coordinator
Jeffery Johnson, Lora and Russ Talbot Endowed President and Chief Executive Officer of the Iowa State University Alumni Association
Jennifer Suchan, University Registrar

Jonathan Wickert, Senior Vice President and Provost
Dawn Bratsch-Prince, Associate Provost for Faculty
William Graves, Dean of the Graduate College; and Professor of Horticulture
Luis Rico-Gutierrez, Dean of the College of Design; Director of the Institute for Design Research and Outreach; and Professor of Architecture
Laura Dunn Jolly, Endowed Dean and Dean's Chair of the College of Human Sciences; and Professor of Apparel, Events, and Hospitality Management
Daniel Robison, Endowed Dean's Chair of the College of Agriculture and Life Sciences; Director of the Iowa Agriculture and Home Economics Experiment Station; and Professor of Natural Resource Ecology and Management
W. Samuel Easterling, James L. and Katherine S. Melsa Endowed Dean of the College of Engineering; and Professor of Civil, Construction and Environmental Engineering
Scott Johnson, Associate Dean for Research in the Ivy College of Business; and Professor of Management and Entrepreneurship; and the Thome Professor in Business
Dan Grooms, Stephen G. Juelsgaard Endowed Dean of the College of Veterinary Medicine; and Professor of Veterinary Diagnostic and Production Animal Medicine
Hilary Seo, Dean of Library Services; and Associate Professor of Library Services
Jon Perkins, Associate Professor of Accounting in the Ivy College of Business; and Faculty Senate President

Presenting Professors

Alice Alipour, Civil, Construction and Environmental Engineering
Robbyn Anand, Chemistry ✧
Craig Anderson, Psychology ‡
Hua Bai, Genetics Development and Cell Biology
Diane Bassham, Genetics Development and Cell Biology ‡ ✧ ✧
David Baum, Veterinary Diagnostics and Production Animal Medicine
Joshua Beck, Biomedical Sciences
Constance Beecher, School of Education
Joseph Burnett, Chemistry
Eric Burrough, Veterinary Diagnostics and Production Animal Medicine
Steven Cannon, Bioinformatics and Computational Biology
Carl Chang, Computer Science
Chandrashekhhar Charavaryamath, Biomedical Sciences
Eric Cochran, Chemical and Biological Engineering ✧ ✧
Shannon Coleman, Food Science and Human Nutrition

Michael Crum, Supply Chain and Information Systems ✧
Christopher Day, Civil, Construction and Environmental Engineering
Alan Dispirito, Biochemistry, Biophysics and Molecular Biology
Liang Dong, Electrical and Computer Engineering ✧ ✧
Karin Dorman, Statistics
Nicholas Gabler, Animal Science
William Gallus Jr., Geological and Atmospheric Sciences
Ulrike Genschel, Statistics
Megan Gilligan, Human Development and Family Studies
Laura Greiner, Animal Science
Constance Hargrave, School of Education
Nicole Hashemi, Mechanical Engineering
Tracy Heath, Ecology, Evolution, and Organismal Biology
David Herzog, Mathematics
Guiping Hu, Industrial and Manufacturing Systems Engineering

‡ Distinguished Professor Ⓒ Morrill Professor
‡‡ University Professor

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

Presenting Professors, continued

- Hui Hu, Aerospace Engineering
Wenyu Huang, Chemistry
Kere Hughes-Belding, Human Development and Family Studies
Doug Jacobson, Electrical and Computer Engineering ‡‡ ✧ ✧
Charles Jahren, Civil, Construction and Environmental Engineering
Ranga Appuhamy Jayasooriya, Animal Science
Mark Kaiser, Statistics
Locke Karriker, Veterinary Diagnostics and Production Animal Medicine ☞ ✧ ✧
Charles Kostelnick, English ☞
Amanda Kreuder, Veterinary Microbiology and Preventive Medicine
Kendall Lamkey, Agronomy
SoJung Lee, Apparel, Events, and Hospitality Management
Wenzhen Li, Chemical and Biological Engineering
Hailiang Liu, Mathematics
Peng Liu, Statistics
Surya Mallapragada, Chemical and Biological Engineering ‡ ✧
Jennifer Margrett, Human Development and Family Studies
Peter Martin, Human Development and Family Studies ‡‡
Steve Martin, Materials Science and Engineering ‡ ‡‡
Mark Mba-Wright, Mechanical Engineering
Robert McQueeney, Physics and Astronomy
Christian Meissner, Psychology
Bradley Miller, Agronomy
Walter Moss, Biochemistry, Biophysics and Molecular Biology
Anirudh Naig, Apparel, Events, and Hospitality Management
Rs Nappinnai, Finance
Balaji Narasimhan, Chemical and Biological Engineering ‡ ✧
Scott Nelson, Biochemistry, Biophysics and Molecular Biology
Daniel Nettleton, Statistics ‡ ✧
Linda Niehm, Apparel, Events, and Hospitality Management
Sigurdur Olafsson, Industrial and Manufacturing Systems Engineering
Sonal Padalkar, Mechanical Engineering
Joshua Peschel, Agricultural and Biosystems Engineering
Gregory Phillips, Veterinary Microbiology and Preventive Medicine
Aditya Ramamoorthy, Electrical and Computer Engineering ✧ ✧
Brett Ramirez, Agricultural and Biosystems Engineering
Chris Rehmann, Civil, Construction and Environmental Engineering ✧ ✧
Haldre Rogers, Ecology, Evolution, and Organismal Biology
Aaron Rossini, Chemistry
Sarah Ryan, Industrial and Manufacturing Systems Engineering ✧
Orhan Sahin, Veterinary Diagnostics and Production Animal Medicine
Eulanda Sanders, Apparel, Events, and Hospitality Management ✧ ✧
Stephan Schmitz-Esser, Animal Science
Lisa Schulte Moore, Natural Resource Ecology and Management
Brent Shanks, Chemical and Biological Engineering ‡ ✧
Anupam Sharma, Aerospace Engineering
Angela Shaw, Food Science and Human Nutrition
Ravindra Singh, Biomedical Sciences
Travis Sippel, Mechanical Engineering
Omar Smadi, Civil, Construction and Environmental Engineering
Emily Smith, Chemistry
Sung Song, Mathematics
Michelle Soupir, Agricultural and Biosystems Engineering
Judith Stabel, Animal Science
Richard Stone, Industrial and Manufacturing Systems Engineering
Roy Sturgill, Civil, Construction and Environmental Engineering
Xiaoli Tan, Materials Science and Engineering
Jean-Philippe Tessonier, Chemical and Biological Engineering ✧ ✧
Janette Thompson, Natural Resource Ecology and Management ☞ ✧
Zoe Thornton, School of Education
Goce Trajcevski, Engineering Administration ✧ ✧
Ken Tsai, Apparel, Events, and Hospitality Management
Namrata Vaswani, Electrical and Computer SoJung Engineering ✧ ✧
Javier Vela-Becerra, Chemistry ✧ ✧ ‡‡
Justin Walley, Plant Pathology, Entomology and Microbiology
Kejin Wang, Engineering Administration ✧ ✧
Lizhi Wang, Industrial and Manufacturing Systems Engineering
Johnny Wong, Computer Science
Chunhui Xiang, Apparel, Events, and Hospitality Management
Cindy Yu, Statistics
Jianming Yu, Agronomy ✧
Julia Zaikina, Chemistry
Jianqiang Zhang, Veterinary Diagnostics and Production Animal Medicine
Wensheng Zhang, Computer Science
Mai Zheng, Electrical and Computer Engineering
Zhengyuan Zhu, Statistics ✧ ✧
Reza Zoughi, Electrical and Computer Engineering ✧

Faculty Marshals

William Beck, Assistant Professor of Natural Resource Ecology and Management, College of Agriculture and Life Sciences



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


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

Tim Derrick, Professor of Kinesiology, College of Human Sciences 

Elnaz Ebrahimi, Assistant Teaching Professor of Agronomy, College of Agriculture and Life Sciences

Brian Hornbuckle, Professor of Agronomy, College of Agriculture and Life Sciences

Doug Jacobson, University Professor of Electrical and Computer Engineering; and Sunil and Sujata Gaitonde Professorship in Cybersecurity, College of Engineering  

Charles Jahren, Morrill Professor Emeritus of Civil, Construction and Environmental Engineering, College of Engineering 

Jon Perkins, Associate Professor of Accounting, Ivy College of Business; and Faculty Senate President

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

Announcer and Reader of Names

Hollis Monroe

Michael Martin 

Musicians

CONDUCTOR **Michael Golemo**, Director of Bands

STUDENT VOCALIST **Cole Stephenson**

EUPHONIUM
Grant Bielecki
Abby Freymuth

PERCUSSION
Nicholas Bahr
Eric Paskach

TRUMPET
Hope Anderson
Rebecca Gomez
Sam Hanson
Luke Harms
Ben Kovarna
Clay Willadsen

TUBA
Peter Jaynes
Ben Mullin

HORN
Bethany Kallio
Holly Kirchhoff
Kyle Laake
Nathan Morton
Savannah Niec
Logan TeKolste

TROMBONE
Andrew Flory
Keven Goepel
Kyle Grossnickle
Elias Vargas

GRADUATE COLLEGE COMMENCEMENT SPEAKER

Beate Schmittmann, Dean of the College of Liberal Arts and Sciences; and Professor of Physics and Astronomy

Dr. Beate Schmittmann has served as dean of the College of Liberal Arts and Sciences (LAS)



at Iowa State University since 2012. She is leading several key Liberal Arts and Sciences initiatives to promote student success, research, and college advancement. Most notable among these are programs to support student success in critical courses that provide the foundation

for all university learning, skill building, and support for career readiness, and high-impact experiential learning opportunities for LAS majors, from undergraduate research to entrepreneurship. Researchers have direct access to new support services for proposal preparation and greatly enhanced seed funding opportunities. She recently appointed the first-ever associate dean for diversity, equity, and inclusion, to further enhance LAS' reputation as a community in which all students, faculty and staff can thrive. She has built a strong collaborative external relations team of development

and strategic communications professionals that combine resources to expand the support and engagement of LAS alumni and friends. In 2017, the college received its largest gift ever which has fundamentally transformed student and faculty support in the college. Today, Dr. Schmittmann is leading the college through a strategic reimagining of its contributions to Iowa State University's mission - streamlining resources, enhancing its student-centric focus, and aligning research and learning with innovation and emerging global demands.

Dr. Schmittmann is a Fellow of the American Association for the Advancement of Science, a Fellow of the American Physical Society and a winner of the organization's 2010 Jesse W. Beams Award. Her research interests focus on statistical and biological physics. She has authored or co-authored more than 100 peer-reviewed articles and one book.

Dr. Schmittmann earned a diploma (M.S.) in physics from RWTH Aachen University in her native Germany (1981), and a Ph.D. in physics from the University of Edinburgh, Scotland (1984). Prior to joining ISU, she was a member of the physics faculty at Virginia Tech, Blacksburg, since 1991 and served as the physics department chair since 2006.

GRADUATE COLLEGE STUDENT MARSHAL

Bienvendio (Ben) W. Tibbs-Cortes

Hometown: Pittsburg, Kansas

Major: Microbiology



Ben's doctoral scholarship focused on food safety, specifically the genetic mechanisms that enable a foodborne pathogen to persist in food-production environments. The result of his research may be useful for future endeavors to mitigate contamination in the food supply.

Ben joined the Graduate College at Iowa State to major in Microbiology, with a prestigious fellowship from the National Science Foundation. During his time here, he maintained a 4.0 GPA.

He was also awarded a number of scholarships, awards, and travel grants, including an award that funded his travel to a research symposium in Poland.

A passionate and effective teacher, Ben was highly active in the Preparing Future Faculty Program. He served as a teaching assistant for introductory biology courses and an advanced course in microbiology. Ben also mentored and supervised several students in the microbiology graduate program.

Ben is planning to remain at Iowa State University as a postdoctoral scholar for the near future to continue his doctoral research and eventually find a position as a molecular bacteriologist.

University Escort: Stephan Schmitz-Esser, Professor, Department of Animal Science

CANDIDATES FOR DEGREES FROM THE GRADUATE COLLEGE

DOCTOR OF PHILOSOPHY

Major in Aerospace Engineering

Jethro Raymond Nagawkar Pune, India

Major in Agricultural and Biosystems Engineering

Divya Handa § Lindsey Marie Hartfiel Ryan Lee Jeon Zhaohui Li DISSERTATION: Simulation of realistic granular agricultural material behavior using a physics-based game engine	Ludhiana, India Mosinee, Wis. Cupertino, Calif Beijing, China	Md Abdullah All Sourav Areba Syed	Rangpur, Bangladesh Karachi, Pakistan
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Major in Analytical Chemistry

Joseph Banovetz DISSERTATION: Dielectrophoretic manipulation of cancer cells for analysis of cellular heterogeneity	Stevens Point, Wis.	Jiaqi Yu DISSERTATION: Nanoscale to single-atom material design for thermal and electrocatalysis	Hefei, China
†† Janis Sommer Borchers DISSERTATION: Development of electrochemical methods for sensing at bipolar electrode arrays	West Des Moines, Iowa		

Major in Animal Science

§ Megan Ashlie Abeyta DISSERTATION: Evaluating the metabolic, production, and inflammatory consequences of hindgut acidosis in dairy cows	Fort Collins, Colo.	Sarah Kathryn Elefson § Handagala Wickramasinghe DISSERTATION: Nutritional interventions for dairy calves undergoing weaning and heat stresses	Nineveh, Ind. Ranala, Sri Lanka
Spenser Leigh Becker Carson Marie De Mille DISSERTATION: Evaluation of post-weaning pig growth and investigating the role of pharmacological minerals in combating weaning stress	Keota, Iowa Macon, Ga.		

Major in Apparel, Merchandising, and Design

A. K. M. Mashud Alam Caryn Pang DISSERTATION: Mixed-use shopping mall communities (MUSMC): A case study of assembly row	Fort Collins, Colo. Boston, Mass.	Shantell Marie Reid DISSERTATION: Perceived fit satisfaction of True Fit size recommendation software: Implications for plus-size women	Buffalo, N.Y.
		Erica Evrope Spurgeon	Warrensburg, Mo.

Major in Applied Linguistics and Technology

Haeyun Jin Seoul, South Korea

Major in Applied Physics

†† Seth Alexander Heerschap Staunton, Va.

Major in Biochemistry

Sharif Anisuzzaman Nashville, Tenn.
DISSERTATION: Structural changes of aptamers:
Case study on aptamers for small molecules
Manvi Kapur Ames, Iowa

††§ Collin Anthony O’Leary De Soto, Iowa
DISSERTATION: Uncovering the structure and
function of RNAs using computational and
experimental approaches

Major in Bioinformatics and Computational Biology

Shofi Andari Malang, Indonesia Daniel Kool Grand Rapids, Mich.

Major in Biomedical Sciences (Anatomy)

Bharathi Niveditha Palanisamy Chennai, India

Major in Biomedical Sciences (Cell Biology)

††§ Diou Luo Guiyang, China
DISSERTATION: Characterization of circular RNAs
of survival motor neuron genes

Major in Biophysics

Philip Dershwitz Sherborn, Mass.
DISSERTATION: Methanobactin biosynthesis and
redox activity

Major in Business and Technology (Supply Chain Management)

†† Isidro Liñan Jimenez Madrid, Spain
DISSERTATION: Changing supply chain practices
from outside: Three essays on how public
sector and industry associations could influence
collaboration and mitigate misconduct in the
transportation industry

Major in Chemical Engineering

†† Adam Russell Carr Greenland, N.H.
DISSERTATION: Passive wireless resonant
sensors for wearable health, diagnostics, and
environmental applications

§ Yifu Chen Changchun, China
DISSERTATION: Electrifying the chemical industry:
Towards sustainable ammonia production from
dinitrogen and nitrogen-containing wastes

Md Monirul Islam Rajshahi, Bangladesh
DISSERTATION: Synthesis and assembly of DNA
origami templated gold nanostructures for the
fabrication of optical metamaterials

§ Hengzhou Liu Xi’an, China
DISSERTATION: Electrochemical transformation of
biomass-derived furanic compounds for valuable
chemical production and innovative process
development

§ Luman Liu Xiangtan, China

Major in Chemistry

†† Adedoyin Nife Adeyemi *Ogun State, Nigeria*
DISSERTATION: Unconventional synthesis
of functional oxides and sulfides using
environment-friendly deep eutectic solvents
§ Yunhua Chen *Weihai, China*
†† Tori Logan Cox *Joplin, Mo.*

Rick William Dorn *Prior Lake, Minn.*
DISSERTATION: Structural characterization of
inorganic main-group materials by advanced
solid-state NMR spectroscopy techniques
††§ Philip Andrew Yox *Mt. Pleasant, Tex.*
DISSERTATION: Exploratory synthesis of extended
covalent pnictide frameworks

Major in Civil Engineering (Civil Engineering Materials)

†† Bharath Melugiri Shankaramurthy *Shimoga, India*
DISSERTATION: Understanding the significance of
aggregate composition, aggregate pore structure
and paste void characteristics on the properties of
cementitious systems

Major in Civil Engineering (Construction Engineering and Management)

§ Diba Malekpour Koupaei *Esfahan, Iran* Jessica Elizabeth Taylor *San Diego, Calif.*

Major in Civil Engineering (Intelligent Infrastructure Engineering)

§ Archana Venkatachalapathy *Chennai, India* § Atousa Zarindast *Tehran, Iran*
DISSERTATION: Machine learning application
powering automation of efficient traffic operation

Major in Civil Engineering (Structural Engineering)

Abhijit Kulkarni *Pune, India* § Smrithi Preetha Hareendran *Kerala, India*

Major in Civil Engineering (Transportation Engineering)

Ashirwad Barnwal *Sariya, India*

Major in Computer Engineering (Secure and Reliable Computing)

Leonardo Aguilera *El Paso, Tex.*
DISSERTATION: Deep learning detection of packed
malware for cloud-based cross domain solutions

Major in Computer Engineering (Software Systems Computing)

Om Rameshwar Gatla *Secunderabad, India* § Xu Teng *Beijing, China*
DISSERTATION: Manifesting reliability issues In
storage systems DISSERTATION: Semantically diverse and spatially
constrained queries

Major in Computer Science

§ Prajjwal Prem Jamdagni *Sonipat, India* ††§ Hugh David Potter *Hebron, Ohio*
DISSERTATION: Modeling of fruit and vegetable
cutting: Analysis, algorithms, and robot
experiments †† Ritu Shandilya *Ames, Iowa*
Yuechuan Xue *Shenyang, China*
Jie Yuan *Qingdao, China*
DISSERTATION: Deep learning-driven market
volatility forecasting and model interpretation
Dawn Anne Nye *Iowa City, Iowa*
DISSERTATION: Practical computation with
chemical reaction networks and algorithmic
randomness

Major in Condensed Matter Physics

†† Bing Li *Harbin, China*
DISSERTATION: Studies of spin dynamics in the magnetic topological insulators Mn-Bi-Te family using inelastic neutron scattering

Joshua Peter Wolanyk *Boise, Idaho*
DISSERTATION: Electron paramagnetic resonance studies of photodegraded organic photovoltaics and tunable perovskite-based optical sensing

Major in Economics

†† Alfred Nunoo Arthur *Mount Pleasant, Mich.*
DISSERTATION: Three essays on education and labor market outcomes of high school experiences

†† Miracle-Rose Toppar *Ames, Iowa*

Major in Education

Carmen Rochelle Jones *Saint Matthews, S.C.*
DISSERTATION: Not all sophomores slump: Examining the experiences of underrepresented racially minoritized second-year students in STEM

Major in Electrical Engineering (Communications and Signal Processing)

Zhengyu Chen *Nanjing, China*
DISSERTATION: Streaming data in signal processing and machine learning prospective

††§ Konstantinos Konstantinidis *Karpathos, Greece*
DISSERTATION: Leveraging coding techniques and redundancy for speeding up distributed computing and robustifying distributed learning

Major in Electrical Engineering (Electric Power and Energy Systems)

Jinqiang Liu *Jining, China*

§ Yuxuan Yuan *Ames, Iowa*
DISSERTATION: Data analytics for enhancing power distribution system monitoring

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

§ Katelyn Rose Brinker *Highland, Ill.*
DISSERTATION: Chipless RFID tag design, measurement, and sensing for nondestructive evaluation (NDE) applications

Major in Electrical Engineering (Microelectronics and Photonics)

§ Madhav Kiritkumar Pathak *Rajkot, India*

Major in Electrical Engineering (Very Large Scale Integration)

Kushagra Bhatheja *Delhi, India*
DISSERTATION: Techniques for designing robust and reliable analog circuits

Major in Environmental Science

†† Holly Jean Curtinrich *Charlottesville, Va.*

Breanna Lynn Marmur *Oxford, Iowa*
DISSERTATION: Stormwater best management practices: Factors influencing resident adoption and catchment-scale effects on runoff quantity and quality

Major in Food Science and Technology

Ariana Christina Saffold *Glendale, Wis.*
DISSERTATION: Development, characterization and tailoring of edible biphasic gels for applications in food

Major in Genetics and Genomics

Ping Kang <i>Ames, Iowa</i> DISSERTATION: Hormonal regulation of aging and homeostasis in <i>Drosophila melanogaster</i>	Christian Fernando Montes Serey <i>Santiago, Chile</i> DISSERTATION: Identifying novel candidates involved in brassinosteroids and autophagy cross-regulation
†† Roshan Subhas Kulkarni <i>Vasai, India</i> DISSERTATION: New methods for accurately genotyping allotetraploid species, with resource generation and examination of genetic diversity in peanut	††§ Laura Elizabeth Tibbs-Cortes <i>Alden, Iowa</i> DISSERTATION: Discovering genetic and environmental determinants of nutritional and agronomic traits in maize
§ Ting Miao <i>Yantai, China</i> DISSERTATION: The interplay between acetylation and lipid metabolism in <i>Drosophila melanogaster</i> larval development	§ Christopher Zdyrski <i>Brick, N.J.</i>

Major in Genetics and Genomics (Predictive Plant Phenomics)

Kevin Oyale Chiteri *Kakamega, Kenya*
DISSERTATION: Diversity and comparative genomics studies in mung bean [*Vigna radiata* (L.) Wilczek]

Major in Gerontology

Katherine M. Anthony *Ankeny, Iowa*

Major in Hospitality Management

William Richard Knapp <i>Columbia, S.C.</i>	Valerie Salter <i>Florien, La.</i>
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Major in Human Computer Interaction

Steffen Baumann <i>Oakwood, Ohio</i> DISSERTATION: The Pi-CON methodology- applying ubiquitous visual & radar-sensing technologies to enable handsfree tracking of vital signs in remote patient monitoring	Amanda Christine Toomey <i>Creighton, Mo.</i>
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Major in Human Development and Family Studies

†† Rotem Arieli <i>Tel Aviv, Israel</i>	Naomi Rose Meinertz <i>La Crosse, Wis.</i> DISSERTATION: Gendered intergenerational care: Fathers' and mothers' explanations of care preferences of adult daughters and sons
Luke Timothy Huber <i>Hudson, Iowa</i>	Gary Joseph Sample <i>Pleasantville, Iowa</i>

Major in Industrial Engineering

- § Luning Bi *Weihai, China*
Gorkem Emirhuseyinoglu *Istanbul, Turkey*
DISSERTATION: Insights from stochastic programs on aligning farmer profit motive with environmental goals
- ††§ Mohammad Fili *Tehran, Iran*
§ Saeed Khaki *Hamedan, Iran*
DISSERTATION: Novel deep learning-based methods for high-throughput image-based plant phenotyping and large scale crop yield prediction
- Carl Joseph Kirpes *West Des Moines, Iowa*
DISSERTATION: The value of 3D product model deployment to complex production and assembly processes
- § Pramiti Sarker *Ames, Iowa*
DISSERTATION: Use of inventory control theory and multi-objective optimization to model work-rest scheduling
- Hanisha Vemireddy *Visakhapatnam, India*
DISSERTATION: The role of test locations in early-stage plant breeding: Identifying discriminating locations and extrapolating performance to locations that are not observed
- § Shaodong Wang *Hangzhou, China*
DISSERTATION: Novel clinical outcome models using heterogeneous Electronic Health Record (EHR) data

Major in Materials Science and Engineering

- Tyler Del Rose *Rochester Hills, Mich.*
Guantai Hu *Hefei, China*
DISSERTATION: Studies on mixed oxy-sulfide and mixed oxy-sulfide-nitride lithium glassy solid-state electrolytes
- †† Kyle James Miller *Grimes, Iowa*
DISSERTATION: Improving biolistic delivery for DNA and protein systems in plants

Major in Mechanical Engineering

- Mehran Abbasi Shirsavar *Babol, Iran*
†† Saurabh Sanjay Aykar *Mumbai, India*
DISSERTATION: Microfluidic manufacturing of hollow polymer microfibers as a 3D scaffold for mimicking the blood brain barrier in-vitro
- ††§ Arna Ganguly *Kolkata, India*
DISSERTATION: Profitable and sustainable use of biomass in developing technologies
- Tian Lan *Memphis, Tenn.*
Adam Richard Lawrence *Carlisle, Iowa*
Anthony Cecil Locurto *Mount Pleasant, Wis.*
DISSERTATION: Thermometry of post detonation fireball environments
- § Manoj Reddy Rajanna *Bangalore, India*
Luis Gerardo Riera Garcia *Perth, Australia*
DISSERTATION: Deep learning for autonomous perception and decision-making
- †† Mehrnoosh Taghavimehr *Malayer, Iran*
§ Kai Liang Tan *Kuala Lumpur, Malaysia*
DISSERTATION: Deep learning for decision making in cyber-physical systems
- § Sin Yong Tan *Kuala Lumpur, Malaysia*
DISSERTATION: Multimodal sensor fusion and multisource distributed learning in cyber-physical systems
- Md Mosleh Uddin *Barisal, Bangladesh*
DISSERTATION: Technoeconomic and environmental impact assessment of emissions mitigation pathways using biofuels
- Murtaza Zohair *Aurora, Ill.*

Major in Mechanical Engineering (Predictive Plant Phenomics)

- Nianyu Jiang *Shiyan, China*
DISSERTATION: Detection of proteins, nucleic acids, small molecules, and virions using aptamer immobilized label free biosensors

Major in Microbiology

- § Brandon Scott Ruddell *Davenport, Iowa*
Swastik Sen *Kolkata, India*
Wan Sun *Nanyang, China*
DISSERTATION: Metabolic engineering of non-model yeasts for polymer precursor production and cellulose degradation
- Bienvenido W. Tibbs-Cortes *Pittsburg, Kans.*
DISSERTATION: Identification and functional characterization of genes involved in the *Listeria* monocytogenes stress response

Major in Molecular, Cellular and Developmental Biology

Sara Hazinia *Lansing, Mich.*

DISSERTATION: Dissecting metabolic processes in plant mutualistic interactions by the application of systems biology strategies

††§ Tamara Moretti *Lavras, Brazil*

Gulnara Novbatova *West Des Moines, Iowa*

DISSERTATION: Impact of gestational toxicant exposures on maternal and offspring reproduction

Major in Organic Chemistry

†† Elizabeth Gehrman *Bettendorf, Iowa*

DISSERTATION: Scalable synthesis of BODIPY photocages: Biological and photophysical applications

Major in Physical Chemistry

Jorge L. Galvez Vallejo *Tampico, Mexico*

DISSERTATION: An exciting extravagant extraordinarily exceptional exascale experience - from water and bonding, to 27,000 GPUs and beyond!

Shin Ae Kim *Seoul, South Korea*

DISSERTATION: CTCTCT: Computational techniques and chemical theory of charge transfer (featuring dispersion)

Bryce Matthew Westheimer *Vancouver, Wash.*

DISSERTATION: Developments in fragment-based quantum chemistry: Flattening the curve

Major in Physics

Yilong Luan *Zibo, China*

DISSERTATION: Near field optical study of polaritons in two-dimensional van der Waals materials

Major in Plant Biology

§ Ching-Yi Liao *Zhushan Township, Taiwan*

DISSERTATION: The yin and yang of the plant cell: Interplay between autophagy and phytohormone brassinosteroid signaling in Arabidopsis

Maxwell Reid McReynolds *Bunker Hill, Ind.*

DISSERTATION: Exploring the functions of hormone signaling using omics profiling

†† Jie Tang *Peng'an, China*

DISSERTATION: Function of autophagy during stress response and plant development in maize

Major in Plant Breeding

§ Matthew William Breitzman *Stillwater, Minn.*

†† Patrick Mireku *Accra, Ghana*

§ Jialu Wei *Xuchang, China*

DISSERTATION: Investigation of plant responding to environments through transcriptome analysis, genetic analysis, and genomic prediction

Major in Plant Breeding (Predictive Plant Phenomics)

§ Matthew Eden Carroll *Elizabeth, Ill.*

Major in Plant Pathology

Rashelle L. Matthiesen *Gaylord, Minn.*

†† Rewa Seblani *Beirut, Lebanon*

DISSERTATION: Characteristics of Stagonosporopsis species causing gummy stem blight and prevention of seedborne diseases in cucurbits

Major in Population Sciences in Animal Health

Justin Tyler Brown

Brooklet, Ga.

Ana Paula Serafini Poeta Silva

Ames, Iowa

DISSERTATION: Strategies for *Mycoplasma hyopneumoniae* control, diagnostics, and surveillance

Major in Psychology (Cognitive Psychology)

†† Jesse Noel Rothweiler-Foster

Mount Joy, Pa.

Major in Rhetoric and Professional Communication

Carlos G. Toledo-Parada

San Fernando, Chile

DISSERTATION: The complementary individuality and sociality of writing: A constructivist and genre theory complex perspective

Major in Statistics

Dae-Gyu Jang

Gumi, South Korea

DISSERTATION: Topics on survey statistics, survey designs, and small area estimation

†† Kellie Lynn McClernon

Benbrook, Tex.

Sepideh Mosaferi

Ames, Iowa

DISSERTATION: Inference for regression models with nonstandard covariate structures

†† Amin Shirazi

Dubai, United Arab Emirates

DISSERTATION: Power enhanced gene differential expression analysis by incorporating gene network information

††§ Matthew John Stuart

Denison, Iowa

DISSERTATION: Statistical applications in actuarial science: From cryptocurrency to meme stocks to crop insurance

†† Yuchen Wang

Wuhu, China

DISSERTATION: A modified t-test for treatment means in unreplicated classroom comparisons and matching methods for reducing data imbalance

Lingnan Yuan

Nantong, China

Major in Sustainable Agriculture

Huong Thi Xuan Nguyen

Hanoi, Vietnam

DISSERTATION: Weed community composition and waterhemp population dynamics in simple and more diverse cropping systems suitable for the Midwestern USA

Major in Veterinary Microbiology

Alexandra Leigh Proctor

Adams, Tenn.

DISSERTATION: Assessing host-microbe interactions: From gnotobiotic mice to production animals

Major in Veterinary Microbiology (Preventive Medicine)

Debora Brito Goulart

Belo Horizonte, Brazil

DISSERTATION: Effect of Danofloxacin and Enrofloxacin treatments on the development of Fluoroquinolone resistance in *Campylobacter jejuni* in cattle

Major in Veterinary Pathology

Susanne Je-Han Lin

Taipei, Taiwan

Major in Wildlife Ecology

Matthew D. Stephenson

Ames, Iowa

§ Research Excellence Award

†† Teaching Excellence Award

Multiple Curricula and Majors

§ Charles Jacob Labuzzetta *Holmen, Wis.*
DISSERTATION: Practical methods for the advancement of precision conservation via land cover classification and conformal prediction
MAJORS: Statistics and Environmental Science

†† Amir Malakooti *Birjand, Iran*
MAJORS: Civil Engineering (Intelligent Infrastructure Engineering) and Civil Engineering (Civil Engineering Materials)

Matthew Jacob Nowatzke *Ames, Iowa*
DISSERTATION: Using digital agriculture and decision-support systems for agronomic and environmental benefit: Towards novel applications and holistic landscape analysis
MAJORS: Crop Production and Physiology and Environmental Science

Jacklin H. Stonewall *Ames, Iowa*
MAJORS: Industrial Engineering and Human Computer Interaction

Craig Van Pay *Ames, Iowa*
MAJORS: Education and Human Development and Family Studies

MASTER OF ACCOUNTING

Major in Accounting (Financial Reporting & Assurance)

Christopher James Banser *Park Ridge, Ill.*

Derek Dixon Van Roekel *Polk City, Iowa*

Major in Accounting (Information Systems and Analytics)

Casi Lynn Bartolomucci *Pawnee, Ill.*
Chad Thomas Schaschwar *Oswego, Ill.*

Ryan Scott Stapleton *Palatine, Ill.*

Major in Accounting (Tax)

Chase Lee McAlister *Rockwell City, Iowa*
Daniel William Riley *Hinton, Iowa*

Shelby Jane Scheitler *Remsen, Iowa*

MASTER OF ARCHITECTURE

Major in Architecture

Atieh Bastan *Shiraz, Iran*

MASTER OF ARTS

Major in Anthropology

†† Kara Keahna Gravert *Tipton, Iowa*
Derrick George Kapayou *Marshalltown, Iowa*
THESIS: Cultural connections to soil and agronomic impacts of the maize, bean, squash polyculture methods in 5 indigenous communities of the upper US Midwest

Jozef Michael Lamfers *Ames, Iowa*

Major in English

§ Sandra Simon

Nashville, TN.

Major in Graphic Design

Guanglei Li

Puer, China

Major in History

Daniel D. Sunne
THESIS: Abortion in Iowa in the nineteenth century

West Des Moines, Iowa

Blake A. Van Houweling
THESIS: Horse-racing and the county fair: A study of perceived moral decay in Midwest agricultural fairs in late nineteenth and early twentieth-centuries

Oskaloosa, Iowa

Major in Political Science

††§ Rachel Joy Lentz
Bryson P. Painter

Istanbul, Turkey
Monmouth, Ill.

Shelby Siera Soper

Adair, Iowa

MASTER OF BUSINESS

Major in Business Administration

Thomas William Berta
Cole Thomas Caleo
Dominique Jager Hain

Naperville, Ill.
Moline, Ill.
Sheldon, Iowa

Mitchell W. Mullen
Daniel Forrest Swegle

Eden Prairie, Minn.
Ballwin, Mo.

Major in Business Administration (Business Analytics)

Ruixin Chen

Shanghai, China

Major in Business Administration (Finances)

Nicholas J. Schiefelbein

Lakeville, Minn.

Major in Business Administration (Leadership)

Brandon Winston

West Des Moines, Iowa

Major in Business Administration (Supply Chain Management)

Jared Michael Graeve

Earling, Iowa

MASTER OF COMMUNITY AND REGIONAL PLANNING

Major in Community and Regional Planning

Nafisa Anjum
William James Klaver

Khulna, Bangladesh
Ames, Iowa

Sylvia Namirembe
Fatema Tuz Johra Nourin

Entebbe, Uganda
Ames, Iowa

MASTER OF COMMUNITY DEVELOPMENT

Major in Community Development

Andrew Jaymes Musgrove	Ottumwa, Iowa	Freddy Vasquez	Carroll, Iowa
Krista L. Regennitter	Muscatine, Iowa	Matthew Wells	Greensboro, N.C.

MASTER OF EDUCATION

Major in Education (Higher Education)

Alix McPherson	Ottumwa, Iowa
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MASTER OF ENGINEERING

Major in Aerospace Engineering

Sameh A. H. Abdeltawab	Ames, Iowa	Harrison Clark Dyer	Overland Park, Kans.
Cole Robert Drenth	Alta, Iowa		

Major in Civil Engineering (Transportation Engineering)

Zitong Yao	Lanzhou, China
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Major in Computer Engineering

Cameron Kenneth Greenwalt	Oakdale, Minn.	Branden L. Sammons	West Des Moines, Iowa
Sean Michael Griffen	Red Oak, Iowa		

Major in Cyber Security

David Kyle Berry	Rochester, Minn.
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Major in Electrical Engineering

Stephen Thomas Manette	Delphos, Ohio	Kade Allen Tatkenhorst	Basehor, Kans.
Peter Orina Mogeni	Coralville, Iowa		

Major in Engineering Management

Shannon Dineen	Brownsville, Wis.	Rishabh Sharma	Ghaziabad, India
Cory Randall Lien	Cedar Falls, Iowa	Shyam Sharma	Ghaziabad, India
David Russell	Ankeny, Iowa		

Major in Industrial Engineering

Yash Mithunkumar Mistry	Ahmedabad, India	Monika Kishor Munot	Pune, India
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Major in Mechanical Engineering

Aaron Meppelink	Cedar Rapids, Iowa	Caleb David Sundholm	Charlotte, N.C.
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Major in Systems Engineering

Alexander Edward Stamer

Bettendorf, Iowa

Matthew Karlen Townsend

Davenport, Iowa

Multiple Curricula and Majors

Richa P. Patel

Bettendorf, Iowa

MAJORS: Computer Engineering and Cyber
Security

MASTER OF FAMILY AND CONSUMER SCIENCES

Major in Family and Consumer Sciences (Dietetics)

Katherine M. Johnson

Saint Paul, Minn.

Major in Family and Consumer Sciences (Family Financial Planning)

Andrew Hunter Mevis

Jacksonville, Fla.

Brittany J. Whitehead

Hemet, Calif.

Liam Rory Walling

Des Moines, Iowa

Chad Jeffrey Whitzel

Easton, Md.

Major in Family and Consumer Sciences (Youth Development)

Kyle Joseph Kempt

Ames, Iowa

MASTER OF FINANCE

Major in Finance

Sawin Jayasekera
Shahrukh Khan

Colombo, Sri Lanka
Ames, Iowa

Reilly Daniel Smidt

West Des Moines, Iowa

MASTER OF FINE ARTS

Major in Graphic Design

Xiaoning Fang

Ames, Iowa

Major in Integrated Visual Arts

Li Zhang

Ames, Iowa

THESIS: Exploration & Integration: Toward a
future

Major in Interior Design

Nastassja Noelle DeGarmo

Broken Arrow, Okla.

THESIS: The impact of biophilic design on
students in higher education classrooms

MASTER OF HUMAN COMPUTER INTERACTION

Major in Human Computer Interaction

Ceanna Bailey Adams
Jeremiah Guajardo
David Andrew Morales

*Richmond, Va.
Phoenix, Ariz.
Virginia Beach, Va.*

Arika Norma Pischel
Jesse Falkner Kennedy
Sherrill

*Nezperce, Idaho
Dakota Dunes, S. Dak.*

MASTER OF INDUSTRIAL DESIGN

Major in Industrial Design

Spencer P. Goergen

Ankeny, Iowa

Kaveh Abbasi Hafshejani

Isfahan, Iran

MASTER OF LANDSCAPE ARCHITECTURE

Major in Landscape Architecture

Allison Candice Griffiths

Des Moines, Iowa

MASTER OF SCIENCE

Major in Aerospace Engineering

Ahmed Abdin Abdelhamid
Ellithy

Kafrelshikh, Egypt

Madhusudan Vijayakumar

West Des Moines, Iowa

Major in Agricultural and Biosystems Engineering

Bradley Thomas Gannon
THESIS: Volumetric flow monitoring of biomass
through an industrial grinder

De Witt, Iowa

Major in Agricultural Economics

Thu Duc Tran

Clive, Iowa

Major in Agricultural Education

Anna Marie Sophia Bowser
Mikayla E. Larsen

*Humboldt, Iowa
Keystone, Iowa*

Colton Ernest Warrick

Prairie City, Iowa

Major in Agricultural Education (Agricultural Extension Education)

Carli Elaine Erickson

Sheridan, Ill.

Major in Agronomy

Landon Anderson
Lauren Marie Botine

*De Soto, Mo.
Irwin, Iowa*

Charles J. Knight

Sioux City, Iowa

Major in Analytical Chemistry

Morgan Janice Clark

Pearland, Tex.

Echo LeeAnn Claus

Coal Valley, Ill.

THESIS: Electrokinetic pre-concentration, non-optical, and label-free electrical detection of 1) DNA, 2) SARS-CoV-2 RNA and 3) Antibodies at a packed bed of bioconjugated microspheres.

Major in Animal Science

Alyssa Dawn Freestone

Sioux City, Iowa

THESIS: Effects of mitoquinol on production parameters during heat stress in growing pigs

Major in Apparel, Merchandising, and Design

†† Emily Mary Schrimpf

Lino Lakes, Minn.

Major in Biochemistry

Tung Mei Khu

Seremban, Malaysia

THESIS: Disrupted-in-Schizophrenia 1 (DISC1) as a sensor for oxidative stress

Claire Elizabeth Kruesel

Rochester, Minn.

Raymond Leigh Larsen

Napa, Calif.

Major in Biomedical Sciences

Jacob Jacob Bahbah

Glendora, Calif.

Jaden Olivia Feauto

Lawton, Iowa

Aysia Korynn Elizabeth Norris

Waukee, Iowa

Jeffrey Olivarez

Oklahoma City, Okla.

THESIS: Investigations of pantoprazole in healthy neonatal ruminants

Jeremiah E. Reed

Burlington, Iowa

Ethan Majid Sabri

West Des Moines, Iowa

Remi F. Smith

Freetown, Sierra Leone

Major in Biomedical Sciences (Anatomy)

Rangie La'Shauri Bessard

Rosharon, Tex.

Major in Chemical Engineering

Sparsh Agarwal

Bareilly, India

THESIS: Single-walled carbon nanotube probes for the characterization of biofilm-degrading enzymes demonstrated against pseudomonas aeruginosa extracellular matrices

Mohammad A. M. B. Albloushi

Jabriya, Kuwait

THESIS: Flow cell designs for electrochemical production of hydrogen peroxide on-site (H₂O₂)

Major in Civil Engineering (Civil Engineering Materials)

Kexin Tian

Baotou, China

THESIS: Assessment of concrete pavement curling and warping behavior in Iowa using high-speed profiler measurements.

Yuhan Zhang

Daqing, China

Major in Civil Engineering (Environmental Engineering)

Adam R. Buseman

Blue Earth, Minn.

Major in Civil Engineering (Structural Engineering)

Rabia Afzal

Cedar Falls, Iowa

Major in Computer Engineering

Zachary Taylor Johnson Kanawha, Iowa

Major in Computer Engineering (Computing and Networking Systems)

Matthew Patrick Dwyer Rosemount, Minn. †† Cristian Alexander George Nanetti Freeport, Ill.

Major in Computer Engineering (Secure and Reliable Computing)

Kajal Kattige Navi Mumbai, India

Major in Computer Science

Yun Qi Bang Seri Kembangan, Malaysia

Anirudh Doshi Kolkata, India

Azeez Idris Abuja, Nigeria

THESIS: Training strategy for limited labeled data
by learning from confusion

†† Hao Jiang Shijiazhuang, China

THESIS: Seeded transfer learning for road
roughness regression

Chandan Kumar Dhanbad, India

THESIS: Efficient volume analysis for dynamic
environments using deep learning

Anju Kumari Ames, Iowa

Elisabeth Kusuma Adi

Permatasari Yogyakarta, Indonesia

THESIS: Attack-resilient channel hopping for
WirelessHART

Trenton Joshua Sudduth Matteson, Ill.

THESIS: OpenMP device mapping prediction using
GNNs

Tiancheng Zhou Zhuzhou, China

Major in Cyber Security

Metitiri Disi Denton, Tex.

Liam Fitzgerald Jameson West Des Moines, Iowa

Anthony Joseph Kabala Ames, Iowa

Major in Ecology and Evolutionary Biology

Simone Lord Lindenhurst, Ill.

Major in Economics

Maazin A. Gleisner Ames, Iowa

THESIS: An analysis of the perceived benefits of
locating in research parks by on-park firms: A
case study of the ISU research park

Major in Electrical Engineering

Yimeng Li Baoding, China

Major in Electrical Engineering (Bioengineering)

Qinming Zhang Shenzhen, China

THESIS: Integrated magneto-opto-fluidic biosensor
for rapid on-chip assay of respiratory viruses of
livestock

Major in Electrical Engineering (Microelectronics and Photonics)

Arkadi Akopian Tbilisi, Georgia

Major in Engineering Mechanics

Karthian Rajendra Jadhav Mumbai, India

Major in Environmental Science

Tanner Dean Bonham *Denver, Colo.*
THESIS: Hydraulic geometry relationships and the development of bankfull regional curves for Iowa streams

Major in Fisheries Biology

Kyle Olivencia *New Windsor, N.Y.*
THESIS: Interactions between Walleye (*Sander vitreus*) and Smallmouth Bass (*Micropterus dolomieu*) in Missouri River reservoirs

Major in Food Science and Technology

§ Julia Nutter *Mar del Plata, Argentina*

Major in Genetics and Genomics

†† Cameron Fay *Amherst, Mass.*

Major in Geology

Edward Higgins Berke *Bow, N.H.* § Shae Morgan McLafferty *Burlington, Wis.*
†† Olivia Margaret Marcelli *Cherry Hill, N.J.*

Major in High Energy Physics

Yunxiao Zhai *Chengdu, China*

Major in Horticulture

Patrick David Galland *Chico, Calif.*

Major in Hospitality Management

Jie Zheng *Chaozhou, China*

Major in Human Computer Interaction

Kaveh Abbasi Hafshejani *Isfahan, Iran* Khadija A. Kapadia *San Jose, Calif.*
Xiaoning Fang *Ames, Iowa* Ronak Karimi *Ames, Iowa*
Spencer P. Goergen *Ankeny, Iowa*

Major in Human Development and Family Studies

Soyoung Park *Ames, Iowa*
THESIS: Exploring experiences among those who participate in Massively Multiplayer Online Role-playing Games (MMORPGs) and their family members

Major in Industrial and Agricultural Technology

Chenyu Zhao *Shandan, China*

Major in Industrial Engineering

Joseph Yun-Ming Kim *Wheaton, Ill.*

Major in Information Systems

Thomas William Berta	<i>Naperville, Ill.</i>	Bryce Allen Martens	<i>Ames, Iowa</i>
Kendell Tyler Jackson	<i>Des Moines, Iowa</i>	Morgan Mitchell	<i>West Des Moines, Iowa</i>
Neha Joshi	<i>Des Moines, Iowa</i>	Fengshuo Peng	<i>Ames, Iowa</i>
Satish Kumar Kurra	<i>Ames, Iowa</i>	Anuja Anurag Sharma	<i>Mumbai, India</i>

Major in Interdisciplinary Graduate Studies (Community Development)

Whitney Nicole Bynum	<i>Kansas City, Mo.</i>	Vivian M. Cook	<i>Prescott, Ariz.</i>
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Major in Journalism and Mass Communication

Andrea Paola Maldonado Lizardi	<i>St. Cloud, Fla.</i>	Lehr Marie Thorson	<i>Fort Dodge, Iowa</i>
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Major in Materials Science and Engineering

Brent Alan Augustine	<i>Davenport, Iowa</i>
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Major in Mathematics

Zachary Steven Greif	<i>Cedar Rapids, Iowa</i>	Ian Asher Parks	<i>Avon, N.Y.</i>
THESIS: Green-Lazarsfeld condition for toric edge ideals of bipartite graphs			

Major in Mechanical Engineering

Abdulatif Alnesafi	<i>Al Farwaniyah, Kuwait</i>	Bharat Reddy Charuku	<i>Secunderabad, India</i>
THESIS: Machine learning based model predictive control with Koopman linearization			

Major in Meteorology

Olivia Frances McCauley	<i>West Springfield, Mass.</i>
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Major in Microbiology

Elsadig Ibrahim A. I. Ali	<i>Des Moines, Iowa</i>
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Major in Neuroscience

Pongrat Jaisil	<i>Khon Kaen, Thailand</i>
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Major in Physical Chemistry

Daniel Glenn Turley	<i>Cedar Rapids, Iowa</i>
THESIS: Letting the ring go: A computational investigation of acyclic lixivants for lanthanide selectivity	

Major in Physics

Jacob David Austin	<i>Ankeny, Iowa</i>
THESIS: Cellular force and focal adhesion response to protein deletion and external stimuli	

Major in Plant Breeding

Caleb Elie Ardoin	<i>Mire, La.</i>
Anna Suzanne Zimmerman	<i>West Lafayette, Ind.</i>

Major in Psychology

Corrine Marie Schwarting *Ames, Iowa*
THESIS: Treatment utilization for alcohol and marijuana use: The influence of religiosity and psychological distress

Major in Rural Sociology

Cora Herbkersman *Spiceland, Ind.*

Major in Seed Technology and Business

Nicholas Eller Wilmoth *Knightdale, N.C.*

Major in Sociology

Molly Ann Minkler *Urbandale, Iowa*
THESIS: The dark figure of murder

Major in Soil Science (Soil Morphology and Genesis)

Katherine Margaret Taylor *Des Moines, Iowa*

Major in Soil Science (Soil Physics)

Alam Jake Ramirez Reyes *Des Moines, Iowa*
THESIS: Response of selected soil physical properties to various traffic loads at three field landscape positions

Major in Statistics

Ashirwad Barnwal	<i>Sariya, India</i>	Jessica Lee Kueon	<i>Pohang, South Korea</i>
Coskun Erden	<i>Kayseri, Turkey</i>	Kieran Liming	<i>Saint Paul, Minn.</i>
Valerie Julia Han	<i>Acton, Mass.</i>	Jinji Pang	<i>Tonghua, China</i>
Marie Elizabeth Hardt	<i>Storm Lake, Iowa</i>		

Major in Sustainable Agriculture

Derrick George Kapayou	<i>Marshalltown, Iowa</i>	Jessica Anne Nelson	<i>Brooklyn Park, Minn.</i>
THESIS: Cultural connections to soil and agronomic impacts of the maize, bean, squash polyculture methods in 5 indigenous communities of the upper US Midwest		THESIS: Monitoring soil movement at the field-scale in row crop systems with prairie strips	

Major in Toxicology

Vanessa Livania *Jakarta, Indonesia*
THESIS: Comparison of healthy adult and puppy canine intestinal epithelium histological features

Major in Veterinary Preventive Medicine

Rodrigo Chaves De Paiva	<i>Belo Horizonte, Brazil</i>	Mafalda Pedro	
Daniel C. Moraes	<i>São Paulo, Brazil</i>	Mil-Homens	<i>Caldas da Rainha, Portugal</i>

Multiple Curricula and Majors

Crystal Leigh Jewell *Ames, Iowa*
THESIS: An examination on how poetry linguistic
elements predict trait mindfulness.
MAJORS: Neuroscience and Psychology

†† Jameel Kaemel Kelley *Dubuque, Iowa*
MAJORS: Human Computer Interaction and
Computer Engineering

MASTER OF URBAN DESIGN

Major in Urban Design

William James Klaver *Ames, Iowa*

Sylvia Namirembe *Entebbe, Uganda*



Fall 2022

Undergraduate
Commencement Ceremony
1:30 p.m., Saturday, December 17, 2022
James H. Hilton Coliseum

UNDERGRADUATE COMMENCEMENT PROGRAM

1:30 p.m., Saturday, December 17, 2022, 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

Conferring of the Honorary Degree, Doctor of Humane Letters President Wendy Wintersteen
Recipient Daniel Houston

Commencement Address Suku Radia
Retired Chief Executive Officer and
President of Bankers Trust

Musical Interlude

Cyclone Fantasia Michael Golemo

Recognition of Students Provost Jonathan Wickert
Graduating with Distinction
Graduating from the Honors Program

Recognition of those with Military Service Provost Jonathan Wickert

Conferring of the Bachelor's Degree President Wendy Wintersteen
Candidates for the Bachelor's Degree presented by Provost Jonathan Wickert
College of Design candidates recognized by Dean Luis Rico-Gutierrez
Ivy College of Business candidates recognized by Dean David Spalding
College of Agriculture and Life Sciences candidates recognized by Dean Daniel Robison
College of Liberal Arts and Sciences candidates recognized by Dean Beate Schmittmann
College of Human Sciences candidates recognized by Dean Laura Dunn Jolly
College of Engineering candidates recognized by Dean W. Samuel Easterling

The Class of 2022 and the Alumni Association Jeffery Johnson
Lora and Russ Talbot Endowed President and CEO
Iowa State University Alumni Association

Closing Remarks President Wendy Wintersteen

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

Recessional

La Mourisque Tylman Susato

*The color guard for commencement exercises is composed of representatives
from the Army Reserve Officers' Training Corps Color Guard*

UNDERGRADUATE COMMENCEMENT CEREMONY

Platform Officials

Wendy Wintersteen, President of the University
Daniel Houston, Chairman, President and CEO,
Principal Financial Group; and Honorary Degree
Recipient
Suku Radia, Retired Chief Executive Officer and
President, Bankers Trust; and Commencement
Speaker
Nancy Boettger, Board of Regents, State of Iowa
Toyia Younger, Senior Vice President for Student Affairs
John Lawrence, Vice President for Extension and
Outreach
Kristen Constant, Vice President for Information
Technology Services and Chief Information Officer
Peter Dorhout, Vice President for Research
Sharon Perry Fantini, Vice President for Diversity,
Equity and Inclusion
Carl Wells, Director of Equal Opportunity; and Title IX
Coordinator
Jeffery Johnson, Lora and Russ Talbot Endowed
President and Chief Executive Officer of the Iowa
State University Alumni Association
Simon Estes, F. Wendell Miller Distinguished Artist in
Residence; and Commencement Vocalist
Jennifer Suchan, University Registrar

Jonathan Wickert, Senior Vice President and Provost
Ann Marie VanDerZanden, Associate Provost for
Academic Programs
Luis Rico-Gutierrez, Dean of the College of Design;
Director of the Institute for Design Research and
Outreach; and Professor of Architecture
Beate Schmittmann, Dean of the College of Liberal
Arts and Sciences; and Professor of Physics and
Astronomy
David Spalding, David and Ellen Raisbeck Endowed
Dean of the Ivy College of Business; Interim Vice
President for Economic Development and Industry
Relations; and Professor of Finance
Laura Dunn Jolly, Endowed Dean and Dean's Chair of
the College of Human Sciences; and Professor of
Apparel, Events, and Hospitality Management
Daniel Robison, Endowed Dean's Chair of the College
of Agriculture and Life Sciences; Director of the
Iowa Agriculture and Home Economics Experiment
Station; and Professor of Natural Resource Ecology
and Management
W. Samuel Easterling, James L. and Katherine S. Melsa
Endowed Dean of the College of Engineering; and
Professor of Civil, Construction and Environmental
Engineering
Dan Grooms, Stephen G. Juelsgaard Endowed Dean of
the College of Veterinary Medicine; and Professor
of Veterinary Diagnostic and Production Animal
Medicine
Hilary Seo, Dean of Library Services; and Associate
Professor of Library Services
Sharron Evans, Associate Vice President for Student
Affairs; and Dean of Students
Jon Perkins, Associate Professor of Accounting in the Ivy
College of Business; and Faculty Senate President

Faculty Representatives

Cynthia Adams, Kinesiology
Michael Bailey, World Languages and Cultures
Amy Bix, History
Dawn Bowker, Food Science and Human Nutrition
C. Lee Burras, Agronomy ☞ ◇
Steve Butler, Mathematics ☞ ◇◇
Deni Chamberlin, Greenlee School of Journalism and
Mass Communication
Gianfranco Ciardo, Computer Science
Susan Cross, Psychology

Brad Dell, Music and Theatre
Joey Frantzen, Naval Science
Jason Gagnon, Apparel, Events, and Hospitality
Management
William Gutowski, Geological and Atmospheric Sciences
Michael Howard, Management ◇◇
Kendall Lamkey, Agronomy
Eric Lopez, Air Force Aerospace Studies
GianCarlo Moschini, Economics † ◇
Kate Padgett Walsh, Philosophy and Religious Studies

Faculty Representatives, continued

Jon Perkins, Accounting
Joshua Peschel, Agricultural and Biosystems Engineering
Paola Pittoni, Mechanical Engineering
Alenka Poplin, Community and Regional Planning ††
Jim Ranalli, English
Michael Retallick, Agricultural Education and Studies
Alric Rothmayer, Aerospace Engineering ✧
Donald Sakaguchi, Genetics, Development, and Cellular Biology ☞

Mack Shelley II, Statistics ††
Jodi Sterle, Animal Science ✧✧
Sriram Sundararajan, Mechanical Engineering
Alex Tuckness, Political Science
Ben Van Dusen, School of Education
Robert Wallace, Ecology, Evolution, and Organismal Biology ✧✧
Theresa Windus, Chemistry † ✧✧
John Wong, Marketing ✧

Faculty Marshals

Thomas Brumm, Mary and Charles Sukup Global Professor in Food Security; and Professor of Agricultural and Biosystems Engineering, College of Agriculture and Life Sciences ✧✧
C. Lee Burras, Morrill Professor of Agronomy, College of Agriculture and Life Sciences ☞ ✧
Tim Derrick, Professor of Kinesiology, College of Human Sciences ✧
Hans Klein-Hewett, Assistant Professor of Landscape Architecture, College of Design
David Kwaw-Mensah, Associate Teaching Professor of Agronomy, College of Agriculture and Life Sciences
Michael Martin, Associate Professor of Landscape Architecture, College of Design ✧
Donna Niday, Associate Professor of English, College of Liberal Arts and Sciences ✧
Peter Orazem, University Professor of Economics, College of Liberal Arts and Sciences ††

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

Announcer and Reader of Names

Hollis Monroe

Sriram Sundararajan

Musicians

CONDUCTOR	Michael Golemo, Director of Bands		
VOCALIST	Simon Estes, F. Wendell Miller Artist in Residence		
STUDENT VOCALIST	Cole Stephenson		
EUPHONIUM	PERCUSSION	TRUMPET	TUBA
Grant Bielecki	Nicholas Bahr	Hope Anderson	Peter Jaynes
Abby Freymuth	Eric Paskach	Rebecca Gomez	Ben Mullin
		Sam Hanson	
HORN	TROMBONE	Luke Harms	
Bethany Kallio	Andrew Flory	Ben Kovarna	
Holly Kirchhoff	Keven Goepel	Clay Willadsen	
Kyle Laake	Kyle Grossnickle		
Nathan Morton	Elias Vargas		
Savannah Niec			
Logan TeKolste			

† Distinguished Professor
†† University Professor

☞ Morrill Professor

✧ Endowed Chair
✧✧ Endowed Professorship

◆ Chief Faculty Marshal
◇ Senior Faculty Marshal

HONORARY DEGREE RECIPIENT, DOCTOR OF HUMANE LETTERS

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

Daniel J. Houston is chairman, president, and chief executive officer of Principal Financial Group®.



He is responsible for overall management of the company.

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

assuming his current role in 2015.

Houston served in 2020 as chair of the American Council of Life Insurers, an organization that advocates on behalf of 280 member companies dedicated to providing products and services that promote consumers' financial and retirement security. The organization's member companies represent 95% of industry assets in the United States.

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

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

COMMENCEMENT SPEAKER

Suku Radia, Retired Chief Executive Officer and President of Bankers Trust

Suku Radia retired at the end of 2017 as CEO of Bankers Trust, a position which he assumed in March 2008. Bankers Trust is Iowa's largest independent community bank with consolidated assets approximating \$6.0 billion. Under his leadership, the earnings of the bank increased from \$11 million to \$49 million. Before joining Bankers Trust, Suku served as Chief Financial Officer of Meredith Corporation for eight years. Meredith was a NYSE company and was the nation's leading



diversified media company prior to being acquired in 2022.

Radia was Managing Partner of KPMG in Des Moines from 1993 to 2000, where he enjoyed a 25-year career. He earned a Bachelor of Science Degree, with Distinction, from Iowa State University in 1974 and became a Certified Public Accountant in 1975, when he joined KPMG. He has been active in several professional, economic development, educational, and charitable organizations.

Suku has served on the Board, Executive Committee or Chaired over 30 not for profit organizations and has been involved in over \$150 million of fundraising since

his graduation from college. He is the only person to have chaired the United Way of Central Iowa campaign twice and continues to serve on United Way of America's National Tocqueville Council.

He has been a convocation speaker at five colleges/universities and has received two honorary doctorate degrees. In addition to over a dozen awards, he received the ISU Distinguished Alumni Award in 2015.

He was named Best Metro Business Leader (2012-2017), Best Minority Business Leader (2012-2017), and Most Influential Business Leader (2012-2017).

Currently, he serves as Executive-in-Residence at the Ivy College of Business, Iowa State University, and he serves on three corporate boards - Nationwide Insurance Co., Workiva (NYSE), and Professional Solutions Group.

Born and raised in Kampala, Uganda, Radia came to the United States in 1971 to attend Iowa State University. Currently, he resides in West Des Moines, Iowa, with his wife, Dr. Mary Radia, a recently retired Rheumatologist. A son, Ryan, is pursuing a Doctorate in Economics at George Mason University, a daughter, Renée, completed her MBA at the University of Southern California and is employed at HBO, and a daughter, Natalie, is a graduate of Columbia University and employed in the New York education system.

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 into 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

Payten K. Watson

Hometown: Urbandale, Iowa

Major: Food Science, Magna Cum Laude



Payten is graduating *magna cum laude* with a major in food science. She was on the Dean's List each of her four semesters at Iowa State.

Payten is a first-generation student and is passionate about helping people. Through Iowa State's Engineers Without Borders, she helped design and construct pit latrines at a medical clinic in Ghana. She also spent time in Uganda tending school gardens and introducing beekeeping and honey production as a microenterprise for a Youth Entrepreneurship Club.

While at Iowa State, Payten was also involved with the Good Earth Student Farm/Organization, which provides food for the Students Helping Our Peers (SHOP) food pantry on campus.

After graduating, Payten plans to continue working to advance food security and advocate for and elevate the voices of youth on food security-related matters.

University Escort: C. Lee Burras, Morrill Professor, Department of Agronomy

DEBBIE AND JERRY IVY COLLEGE OF BUSINESS

Julia Christine Kamin

Hometown: Robins, Iowa

Major: Supply Chain Management, Magna Cum Laude



Julia is graduating *magna cum laude* with a major in supply chain management.

During her time at Iowa State University, Julia was involved in numerous university and Ivy student organizations, including serving as president and founder of the ISU chapter of Women Impacting Supply Chain Excellence (WISE) and director of strategic initiatives for the Supply Chain Management Club. She also served as director of membership for the Marketing Club, a member of Collegiate Women in Business, a teaching assistant in the Ivy College of Business, and on the stewardship committee for Dance Marathon.

Julia completed two internships during her college career; the most recent was with PepsiCo's Frito-Lay division in Topeka, Kansas, where she developed and executed process improvement projects, evaluated production line downtime and profit loss, and gained experience in operations management. She also interned at Cedar Rapids Bank & Trust in Cedar Rapids, Iowa.

Julia holds a Lean Six Sigma Green Belt certification.

After graduation, Julia will work for Ruan Transportation as an operations support specialist in Ankeny, Iowa.

University Escort: Amber Bellville, Assistant Teaching Professor, Department of Supply Chain Management

COLLEGE OF DESIGN

Keturah Marie Sauke

Hometown: Hampton, Iowa

Major: Industrial Design, Summa Cum Laude



Keturah is graduating *summa cum laude* with a major in industrial design.

While at Iowa State, Keturah was a member of the Industrial Designers Society of America student chapter and the College of Design Green Team. She also volunteered for National Portfolio Day, an event hosted by the College of Design.

As a Cyclone Aide, Keturah was part of the team that redesigned the orientation experience for incoming students to be delivered online. She also served as a Destination Iowa State team leader, Student Admissions Representative (STAR), and member of the ISU Symphonic Band.

After graduation, Keturah plans to work as a user experience designer.

University Escort: Daniel Neubauer, Associate Teaching Professor, Department of Industrial Design

STUDENT MARSHALS

COLLEGE OF ENGINEERING

Ashlyn M. Haack

Hometown: Davenport, Iowa

Major: Mechanical Engineering, Summa Cum Laude

Minors: Music and Music Technology



Ashlyn is graduating *summa cum laude* with a major in mechanical engineering and minors in music and music technology. A member of the Honors Program, Ashlyn's research project focused on synthesizing a durable cholesterol biosensor for developing countries.

While at Iowa State, Ashlyn served as a teaching assistant, a FIRST Lego League volunteer and an athletics tutor. She was a member of the ISU marching and pep bands, Gaffers' Guild, and the PrISUM solar car team. She also founded the theme park engineering group and was an intramural soccer champion.

Ashlyn completed internships with Garmin and John Deere, and she studied abroad in Ireland.

After graduating, Ashlyn plans to work as a product design engineer at Garmin International.

University Escort: Sonal Padalkar, Associate Teaching Professor, Department of Mechanical Engineering

COLLEGE OF HUMAN SCIENCES

Rachel Nicole Vander Hart

Hometown: Urbandale, Iowa

Major: Kinesiology and Health, Summa Cum Laude



Rachel is graduating *summa cum laude* with a pre-health professions option within the kinesiology and health major.

While at Iowa State, Rachel excelled both on the soccer field as a scholar athlete on the Cyclone soccer team and in the classroom. She also volunteered as an undergraduate research assistant in the Physical Activity and Aging Study.

Rachel demonstrated leadership as an undergraduate teaching assistant and through her service on various boards with other student athletes giving back to the community.

After graduation, Rachel plans to attend Des Moines University for physical therapy school.

University Escort: Ann Smiley, Professor, Department of Kinesiology

COLLEGE OF LIBERAL ARTS AND SCIENCES

Jennifer Boock Seth

Hometown: Coffeen, Illinois

Majors: Environmental Science and Meteorology, Summa Cum Laude

Minor: Spanish



Jennifer is graduating *summa cum laude* with majors in environmental science and meteorology, and a minor in Spanish.

While at Iowa State, Jennifer was a member of the American Meteorological Society and Cantamus Women's Choir, and a peer mentor in the Science of the Environmental and Sustainable Systems Learning Community. She held multiple leadership roles, including serving as senator and director of Sustainability for the Schilleter-University Village and as education chair for the Environmental Science Club.

Jennifer is a recipient of the Dr. Willard Lynn Watney Scholarship and the Forsythe Family Scholarship. She was also awarded the Volunteer of the Year Award from the largest food pantry in her home county of Montgomery, Illinois.

After graduation, Jennifer plans to attend graduate school to obtain her Ph.D. in climate science or an adjacent field and eventually become a professor at a leading research institution.

University Escort: William Gutowski, Professor, Department of Geological and Atmospheric Sciences

POSTHUMOUS DEGREE RECIPIENT

Eden Mariah Montang

Major: Human Development and Family Studies

Hometown: Boone, Iowa

Eden was eager to begin the fall 2022 semester at Iowa State University as a senior, majoring in human development and family studies. Her ambition after graduating was to become a social worker and assist children with special needs. Eden had a passion for the deaf culture and served as a teaching assistant for sign language courses at Iowa State. She dreamed of someday getting married and having a family that included adopting special needs children, specifically



deaf children.

After graduating from Boone High School, Eden attended massage therapy school in New Mexico. Upon receiving her certification, she returned to Iowa, joined

the Iowa National Guard, and began attending Iowa State University.

Eden was unique and gifted in her ability to be both strong and tender, creative and conservative, and she was unmatched in her generosity and empathy. She was also intellectually gifted, articulate, and confident. She celebrated life, enjoying hard work, music, reading, writing, traveling, dancing, and spending time outdoors; however, she treasured her faith, family, and friendships most.

Eden developed and cherished a powerful, Godly friendship. During difficult times, she leaned on the Bible verse Proverbs 23:9: “Don’t waste your breath on fools, for they will despise the wisest advice.”

Unrelenting in her values and strong sense of right and wrong, Eden’s advice to others was to look, seek and find solid friends who would walk beside you, hold you accountable, guide you, and pray with you.

CANDIDATES FOR DEGREES FROM THE COLLEGE OF AGRICULTURE AND LIFE SCIENCES

BACHELOR OF SCIENCE

Curriculum in Agricultural and Life Sciences Education

Renaë Marie Hansen	Granville, Iowa	** Emma M. Parkins	Monmouth, Ill.
Machaela Marie Ingalls	Van Horne, Iowa	* Brighton Rouse	Mechanicsville, Iowa
Cassidy C. Lambert	Lehigh, Iowa	Jenna Kay Steffen	Waverly, Iowa
Lauren Elizabeth Mosher	Liscomb, Iowa	David Allen Vance	Farmington, Iowa

Curriculum in Agricultural and Rural Policy Studies

Kathryn Joyce Fitzsimmons	Mineral Point, Wis.
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Curriculum in Agricultural Business

Audra Mae Bastian	New Ulm, Minn.	Phoebe D. L. Sanders	Eagle Grove, Iowa
* Danielle Elizabeth Bauer	Altoona, Iowa	** Macey Jo Thomann	Riverside, Iowa
Jack Nicholas Henry	Nevada, Iowa	Johannes Van Essendelft	Pantego, N.C.
Emily June McCann	Guthrie Center, Iowa	Callan J. VanEngelenburg	Sumner, Iowa
Benjamin Goering Nikkel	McPherson, Kans.		

Curriculum in Agricultural Studies

Lee William Benz	Udell, Iowa	Brent Michael Meyers	West Liberty, Iowa
Cole Eugene Berg	Blairsburg, Iowa	Tyler John Moeller	Muscatine, Iowa
Kendra Lynne Boles	Murray, Iowa	Nolan D. Ohnemus	Milo, Iowa
Chase David Brinegar	Ottumwa, Iowa	Katherine Jane Rasch	Spencer, Iowa
Kyle Austin Dallmeyer	Wellman, Iowa	Lucas Raymond Riesenber	Halbur, Iowa
* Ryan James Hansen	Freeborn, Minn.	Jackson James Sanor	Cedar Rapids, Iowa
Jake Allen Hanson	Linn Grove, Iowa	Brett Allen Schiele	West Liberty, Iowa
Dylan Roy Hemer	Arthur, Iowa	Quinn R. Schmidt	Iowa City, Iowa
Jordan Ray Hook	Grundy Center, Iowa	Jacob Carl Stukerjurg	Salem, Iowa
** Bryce Allen Lafrenz	Wilton, Iowa	Carolyn L. Thorn	Des Moines, Iowa
Camille Alaina Maurer	Wilton, Iowa	Emilio Valenzuela Morteo	Hampton, Iowa
* Walker Shaw McDermott	Wiota, Iowa	Benjamin Christian Van Soelen	Council Bluffs, Iowa
Alyssa Grace McMichael	Atalissa, Iowa	Aubree Rose Voegel	Maquoketa, Iowa
* Tyler Eugene Meyeres	Maquoketa, Iowa		

Curriculum in Agricultural Systems Technology

Dawson Patrick Barnett	Waukee, Iowa	Logan Andrew Heims	Edgewood, Iowa
*** Thomas George Demers	Storm Lake, Iowa	Max James Lindgren	Kingsley, Iowa
** Weston Ray England	Johnston, Iowa	Austin Michael Marshek	Iowa City, Iowa
Ayden Jacob Gossman	Decorah, Iowa	Dawston Paul Regan	Waukon, Iowa
** Jared Michael Graeve	Earling, Iowa		

* Cum Laude

** Magna Cum Laude

*** Summa Cum Laude

† Honors Program

Curriculum in Agronomy

* Cameron Michael Biegger	Clive, Iowa	Louis Trent Lostroh	Winterset, Iowa
Skye Pauline Bradley	Ellsworth, Iowa	* Casey Lynn Luke	New London, Iowa
Michael Lee Cook	Stuart, Iowa	** Lexie Jo Maloy	Ionia, Iowa
Tyson Matthew Creswell	Reinbeck, Iowa	Sarah Lynn McKillip	Muscatine, Iowa
* Brayden Kenneth Evans	Ellsworth, Iowa	Caleb Dean Nordyke	Clarinda, Iowa
Collin Mark Laub	Johnston, Iowa	Parker Elizabeth Werling	Atalissa, Iowa

Curriculum in Animal Ecology

* Malia Breanna Agee	South Sioux City, Neb.	Cory Robert Kloser	Greeley, Iowa
Chloe Rose Bauler	Wallingford, Iowa	Carsyn Leno	Schaumburg, Ill.
Zachary Brown	West Des Moines, Iowa	Devin Miller	Rock Rapids, Iowa
*** Alexander L. Carlson	Ankeny, Iowa	*** Elise Joy Patton	Cedar Falls, Iowa
Elianna A. Contreras	Davenport, Iowa	Asher Jordan Poppens	Kingsley, Iowa
Megan M. Dague	Bettendorf, Iowa	Michael Dominique Pugh	Des Moines, Iowa
Joseph Robert Deckert	Davenport, Iowa	** Rachael Russell	Marion, Iowa
Austin Durnan	Adel, Iowa	Lainey Jean Tomko	Hastings, Mich.
** Alexandra Kaye Ellsworth	Des Moines, Iowa	Morgan Ann Ubbelohde	Waterloo, Iowa
Aspen Geraghty	Cedar Rapids, Iowa	Alyssa Vasquez	San Marcos, Calif.
Celeste Hart Gutierrez	Joliet, Ill.	Adam Mitchell Wallace	Cedar Falls, Iowa
Connor Patrick Hanley	Elmhurst, Ill.	Evan R. Wilson	Altoona, Iowa
Adam J. Hermanson	Britt, Iowa		

Curriculum in Animal Science

Jessica Frances Badell	Grant City, Mo.	Kole Warren McNeer	Runnells, Iowa
Alana Danae Barrett	Parkersburg, Iowa	Hailey Jo Messerich	Spragueville, Iowa
Elizabeth Elaine Bentley	Rosemount, Minn.	Jayden Lynn Miller	Osceola, Iowa
Vanessa Marie Berdecia	Gurabo, Puerto Rico	Ashley Crystal Moore	Union, Iowa
Kammi Bishop	Ireton, Iowa	Jacob C. Moore	Saint Charles, Ill.
** Kaitlin Marie Blosch	Peosta, Iowa	Brighton Lydia Morris	Blanchester, Ohio
** Andrew William Boschert	Beaver Dam, Wis.	Emily L. Morse	Aurelia, Iowa
Chloe Evelyn Buelow	West Des Moines, Iowa	Jestene Raelynne Moyer	Montezuma, Iowa
Corrinne E. Chartier	Muscatine, Iowa	* Jaelyn Marie Mulligan	Eldridge, Iowa
Isabelle Rose Coburn	Norwalk, Iowa	Alexis N. Oehlerich	Cedar Rapids, Iowa
* Gavin D. Cooper	Monticello, Iowa	* Brock Michael Ortner	Shellsburg, Iowa
* Maxwell Lane Corso	Sandusky, Ohio	Jenna Jane Pagel	Hawkeye, Iowa
Carter Dupre Deal	Houston, Tex.	Kassandra R. Palzkill	Mineral Point, Wis.
Mckayla Marie Dozier	Ogden, Iowa	*** Elise Joy Patton	Cedar Falls, Iowa
Hunter T. Field	Bentonville, Ark.	Britney Nicole Rice	San Antonio, Tex.
** Katrina R. Freeders	Neenah, Wis.	***† Olivia Nicole Saul	Davenport, Iowa
Kate A. Garcia Bautista	Clinton, Iowa	Alexis Elaine Schroeder	Wheatland, Iowa
Jozey Sue Marie Gump	Eagle Grove, Iowa	*** Emily B. Springer	Kansasville, Wis.
Eric Ryan Keller	Gladbrook, Iowa	Olivia M. Stewart	Elmore, Minn.
Rikki King	Fulton, Ill.	* Sarah Anne Stolte	Huxley, Iowa
Daniel John Kluesner	New Vienna, Iowa	Lydia Anne Studer	Truman, Minn.
Hannah Mae Kruse	Ellsworth, Minn.	Aaron Thomas Suhr	Waukee, Iowa
*** Katrina Renea Lee	Kearney, Mo.		

Curriculum in Biology

Cole Jason Baskerville	Mason City, Iowa	* Andrew Christopher Kelly	Waukee, Iowa
Aubrey Lee Brown	Riverside, Calif.	Aidan Conor Koob	Algona, Iowa
Olivia Lauren Danz	Mediapolis, Iowa	*** Madeline Rae Mathiason	Granada, Minn.
Olivia M. Feldmann	Epworth, Iowa	** Josie Lin Nordhagen	Carlisle, Iowa
* Mario Lloyd Galvao-Wilson	Shoreline, Wash.	Tyler James Weide	Alden, Iowa
*** Samuel C. Gaydos	Huntley, Ill.	* Zoey Olivia Welter	Red Oak, Iowa
Ryan Patrick Geneser	Geneva, Ill.	Coriander Rea Woodall	Perry, Iowa

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

Curriculum in Dairy Science

Maddie Rae Veber *Elkhart, Iowa*

Curriculum in Environmental Science

Rob L. Austin	<i>Des Moines, Iowa</i>	Mitchell Glen Gordon Carter	<i>Lake Geneva, Wis.</i>
*** Sarah M. Brackett	<i>Cary, Ill.</i>	* Tanner James Gordon	<i>Des Moines, Iowa</i>
Alex H. Branham	<i>Moline, Ill.</i>	Delaney Lee Kidd	<i>Dallas Center, Iowa</i>
** Jordan Elizabeth Carr	<i>Eldora, Iowa</i>	Emma Marie Lauritsen	<i>Waukee, Iowa</i>

Curriculum in Food Science

David Carter	<i>Naperville, Ill.</i>	Jihuanhuan Wang	<i>Beijing, China</i>
** Jacob Ryan Mefford	<i>Batavia, Ill.</i>	** Payten K. Watson	<i>Urbandale, Iowa</i>

Curriculum in Forestry

** Emir Amidzic	<i>Urbandale, Iowa</i>	* Fatima Neftali Najar	<i>Sioux City, Iowa</i>
* Tanner James Gordon	<i>Des Moines, Iowa</i>	** Jackson Dean Nelson	<i>Neola, Iowa</i>
* Trevor Joseph Heinen	<i>Minden, Iowa</i>	Josh James Peters	<i>Worthington, Iowa</i>
* Logan Paul Hemmen	<i>Ames, Iowa</i>	Laisee Shakespeare	<i>Hopkinton, Iowa</i>
Brody Allen Krieg	<i>Ruthven, Iowa</i>	*** Mark Joseph Steffen	<i>Ames, Iowa</i>
*** Jennifer Rene Merryman	<i>Ames, Iowa</i>	* Samuel A. Wertz	<i>Cedar Rapids, Iowa</i>
Nicco Peter Miyuskovich	<i>Cary, Ill.</i>		

Curriculum in Genetics

Alexander Joseph Krob	<i>Mount Vernon, Iowa</i>	Sarah Rose Whitmer	<i>Muscataine, Iowa</i>
* Nicholas M. Stelling	<i>Rockwell City, Iowa</i>		

Curriculum in Global Resource Systems

* Rebecca Catherine Crawford *Grinnell, Iowa*

Curriculum in Horticulture

Luke Micheal Dietrich	<i>West Des Moines, Iowa</i>	Nolan Thomas Payne	<i>Slater, Iowa</i>
Mamoun Y. Elhussein	<i>Iowa City, Iowa</i>	Cheyanna Marue Sheaffer	<i>Pella, Iowa</i>
Grace Lillian Johnson	<i>Marshalltown, Iowa</i>	Nicholas M. Stecklein	<i>Epworth, Iowa</i>
Joseph Alan Langner	<i>Everly, Iowa</i>	William M. Stipanovich	<i>Dubuque, Iowa</i>
** Savannah Elisha Michalski	<i>Clare, Iowa</i>	Laura Trott	<i>Des Moines, Iowa</i>
Riley Jacob Nemec	<i>Dubuque, Iowa</i>	* Patrick Nolan Youds	<i>Marshalltown, Iowa</i>

Curriculum in Industrial Technology

Zackary Alan Bisinger	<i>Central City, Iowa</i>	* Jack David Orwig	<i>Indianola, Iowa</i>
Victoria Linn Bonilla	<i>Silvis, Ill.</i>	Kassandra Lynne Posey	<i>Bettendorf, Iowa</i>
Adrian Gabriel Correa		Grant Aaron Rea	<i>Cedar Falls, Iowa</i>
Rosario	<i>San Juan, Puerto Rico</i>	Dawston Paul Regan	<i>Waukon, Iowa</i>
Jeremy Adam Cox	<i>Plainfield, Ill.</i>	* Saeth Anahi Sanchez	<i>Marshalltown, Iowa</i>
* Troy Matthew Dolphin	<i>Conrad, Iowa</i>	Thomas Matthew Schmid	<i>Rockford, Ill.</i>
Quyen Duong	<i>Des Moines, Iowa</i>	Sophia Marie Schuler	<i>Creston, Iowa</i>
Jake Michael Eubanks	<i>Altoona, Iowa</i>	* Jon Seibert	<i>Delhi, Iowa</i>
Benjamin Jacob Goedken	<i>Palatine, Ill.</i>	* Nathan R. Spurr	<i>Norwalk, Iowa</i>
Carson Hess	<i>Van Meter, Iowa</i>	Nathan John Strobel	<i>Chanhassen, Minn.</i>
Cade Phillip Hopkins	<i>Spencer, Iowa</i>	*** John Francis Temple	<i>Johnston, Iowa</i>
* Blake Brenton Koch	<i>West Des Moines, Iowa</i>	Brandan Quinn Treadway	<i>Altoona, Iowa</i>
Blake Jordan Mann	<i>Albion, Iowa</i>	Keegan Thomas Vece	<i>Nevada, Iowa</i>
Frederick Rivers Maxwell	<i>Ames, Iowa</i>	Ethan Stone Wickline	<i>East Hampton, N.Y.</i>
Carson Lee McNeil	<i>Preston, Iowa</i>	Luke Patrick Wilder	<i>Eldridge, Iowa</i>
Chadwick James Mitchell	<i>Garner, Iowa</i>	Jangho Yoon	<i>Seoul, South Korea</i>
Noah W. Nebbe	<i>Huxley, Iowa</i>		

* Cum Laude

*** Summa Cum Laude

46

Fall 2022 undergraduate degree candidates

** Magna Cum Laude

† Honors Program

Curriculum in Microbiology

Michelle Louise Bonaime *Minneapolis, Minn.*
Kassandra Breckenridge *Bondurant, Iowa*
Caleb Alexander Kummet *Des Moines, Iowa*

Chenxi Li *Shijiazhuang, China*
Katelyn Margaret Noren *Vinton, Iowa*
Jihuanhuan Wang *Beijing, China*

Curriculum in Nutritional Science

* Rebecca Catherine Crawford *Grinnell, Iowa*

Multiple Curricula and Majors

** Taylor Nicole Bryan *Council Bluffs, Iowa*
Environmental Science and Global Resource
Systems

* Josephine Annabel Crock *Mount Vernon, Iowa*
Biology and Horticulture

*** Emma Elizabeth Doyle *Bettendorf, Iowa*
Animal Ecology and Biology

** Lindsey Adeline Gillette *Sioux City, Iowa*
Biology and Liberal Arts and Sciences: Major in
Psychology

* Katherine Taylor Heine *Ankeny, Iowa*
Environmental Science and Liberal Arts and
Sciences: Major in Anthropology

Mary E. Holtz *Maquoketa, Iowa*
Dairy Science and International Agriculture

* Grace Elizabeth Howe *Waukon, Iowa*
Agricultural and Rural Policy Studies and Liberal
Arts and Sciences: Major in Journalism and Mass
Communication

Cameron Anthony Krumm *Keswick, Iowa*
Biology and Education

CANDIDATES FOR DEGREES FROM THE IVY COLLEGE OF BUSINESS

BACHELOR OF SCIENCE

Major in Accounting

Mikel Ray Addy	Cedar Rapids, Iowa	Chi Minh Luong	Des Moines, Iowa
Zachary Trey Buchanan	West Des Moines, Iowa	Orland Vincent Minniti	Glen Ellyn, Ill.
*** Hannah Rose Caple	Maxwell, Iowa	** Zachary Robert Netteland	Clive, Iowa
Francisco Chavez	Des Moines, Iowa	Logan Michael Nolz	Lisbon, Iowa
*** Roberto Anel Chiari	Panama City, Panama	*** Maci Ann Overmohle	Carrroll, Iowa
** Caleb R. Christiansen	Hiawatha, Iowa	Claire Elizabeth Phillips	Urbandale, Iowa
** Keaton James Clay	Urbandale, Iowa	Jack Louis Phillips	Mason City, Iowa
Brianna Marie Denton	Rochester, N.H.	Zhiyi Qian	Suzhou, China
Nicole Brianne Eilts	Wiota, Iowa	* Jacob Charles Ramsey	Ankeny, Iowa
Joseph Kevin Eshelman	Altoona, Iowa	** Ethan John Richards	Johnston, Iowa
** Nicholas Jeffery Eversman	Fairmont, Minn.	*** Max Thomas Rooney	Rockford, Iowa
Sheyla M. Gomez Cortez	Perry, Iowa	*** Briceida Sandoval Muñoz	Osceola, Iowa
* Marla Jo Grubb	Ellsworth, Iowa	*** Tyler Dean Schaben	Harlan, Iowa
*** Drew J. Grygiel	Rockton, Ill.	Dalton Ray Subject	Britt, Iowa
*** Rebecca J. Heidt	West Des Moines, Iowa	** Rachel Adina Sweet	Afton, Minn.
** Samuel James Irwin	Marshalltown, Iowa	** Wyatt Eugene Taggart	Jefferson, Iowa
Jack Ernest Jacobson	Maple Grove, Minn.	* Reece David Taylor	Webster City, Iowa
Keagen Doyle Krichau	Pleasantville, Iowa	Elliot Graham Thornton	West Des Moines, Iowa
** Joshua R. Loveless	Lakeville, Minn.	*** Kylie Anne Tjernagel	Roland, Iowa
Jacob Scott Luedtke	Kanawha, Iowa	Stephanie Lynn Whitsell	West Des Moines, Iowa

Major in Actuarial Science

Jacob H. Bohler Elizabeth, Colo.

Major in Business Administration

Makayla Woody Davenport, Iowa

Major in Business Analytics

Muhammad Afif Rusli Bin Ritzza		Aaron Binu	
Rosli	Selangor, Malaysia	Meeran	Abu Dhabi, United Arab Emirates
Zachary Alan Dawson	Winterset, Iowa	** Ryan Steven Slaubaugh	Wellman, Iowa
*** Josie L. Lickteig	Pella, Iowa		

Major in Business Economics

Johnathan Ray Brandt	Fort Dodge, Iowa	Joshua Aaron Hunter	Independence, Iowa
Tori Lee Gardner	Austin, Minn.	Grayson Hale Leaders	West Des Moines, Iowa

Major in Entrepreneurship

* Riley Jean Frohwein	Altoona, Iowa	* Michael Winfield Sampson	Bettendorf, Iowa
Grace Elaine Grob	Waukee, Iowa	Andrew Jacob Schechinger	Harlan, Iowa
* Phu Nguyen	Quang Ngai, Vietnam	Robert Daniel Schoenecker	Minnetonka, Minn.
Jacob Osborne	Urbandale, Iowa	Cameron Bridger Shook	Grosse Pointe Farms, Mich.
Ajay Laine Reed	Ames, Iowa	* Nathan Matthew Wendl	Carroll, Iowa
Benjamin D. Reeder	Omaha, Neb.		

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

Major in Finance

Brady Michael Auderer	Webster City, Iowa	* Ethan John Meyer	Adel, Iowa
Maxwell Jacob Babich	Bowling Green, Ky.	Tristan Kelli Navrkal	Sergeant Bluff, Iowa
** Brock Elliott Brannian	Des Moines, Iowa	Dang Khoa Nguyen	Garden Grove, Calif.
Keaton James Edwards	Waukee, Iowa	Ryan Patrick Olson	Eagan, Minn.
Kailee Johanna Elsen	Norwalk, Iowa	*** Maci Ann Overmohle	Carroll, Iowa
* Muhammad Thaqif Iman		Steven James Price	Gardner, Ill.
Bin Emran	Kajang, Malaysia	John Paul Ringelestein	Oswego, Ill.
* Chase David Finken	Harlan, Iowa	Fernando Rocha-Reyes	Des Moines, Iowa
Grant Lee Garwood	Urbandale, Iowa	*** Jon Reuben Sansgaard	Story City, Iowa
Clayton Jeremiah Gonyo	Eldridge, Iowa	Spencer Allan Saunders	Oswego, Ill.
*** Josiah Michael Gonyo	Eldridge, Iowa	*** Tyler Dean Schaben	Harlan, Iowa
** Sarah Ann Hannon	Farmington, Minn.	* Joseph John Schaefer	Grimes, Iowa
Nicholas Harrison	Oak Creek, Wis.	Jared Thomas Schroeder	Sioux City, Iowa
Colin Jay Henry	Pella, Iowa	Parker Ryan Sell	Glenwood, Iowa
Brendan Michael Hoy	Ankeny, Iowa	** Yug Sharma	Ghaziabad, India
John Emil Ivan	Wadsworth, Ill.	Ryan Jeffery Shoberg	Savage, Minn.
Abigail Mary Jennings	Story City, Iowa	Nathan Edward Stieber	Lemont, Ill.
** Noelle Dawn Katschke	Iowa Falls, Iowa	* Yubo Sun	Zibo, China
Matthew James Kellen	Plymouth, Minn.	Jacob M. Tennyson	Truman, Minn.
Madeline L. Kerr	Polk City, Iowa	Amer Tokmic	Ankeny, Iowa
Conner Alden Knapp	Dubuque, Iowa	** Noah Christopher Twist	Des Moines, Iowa
Grant Walker Kraus	Carroll, Iowa	* Zining Wang	Shenyang, China
Zachary Brabazon Lee	Coon Rapids, Iowa	Chase Michael Winterboer	Huxley, Iowa
Riley Joseph McDonnell	Dubuque, Iowa	Matthew David Yeager	Bondurant, Iowa

Major in Human Resource Management

Margaret J. L. Carbaugh	Omaha, Neb.	Amy Jean Truckenmiller	Sibley, Iowa
Beza Kejella	Marion, Iowa	* Jacqueline Ann Vry	Ankeny, Iowa
Kiley Rose Kennebeck	Cherokee, Iowa		

Major in Management

Hope Catherine Arganbright	Panora, Iowa	Tristan Douglas Michaelis	Cameron, Mo.
Cynthia Jo Best	Clarinda, Iowa	Kevin Kipruto Mutai	Nairobi, Kenya
Daniel Joseph Budinger	Woodbury, Minn.	Blake Brandon Peterson	Alcester, S. Dak.
Theodore Hovland Dunn	Eldora, Iowa	Keeley Jae Petzenhauser	Spencer, Iowa
* Madeline A. Ehrle	West Des Moines, Iowa	* Benjamin David Rempe	La Porte City, Iowa
Jake John Gasperi	Sioux Rapids, Iowa	Ethan Daniel Sailer	Hiawatha, Iowa
* Carter Bryan Goos	Adel, Iowa	Justin T. Schaefer	Carroll, Iowa
Dylan Michael Grimes	Ames, Iowa	Bindhya Shetisural	Des Moines, Iowa
Nicole Rae Harrington	Nashua, Iowa	*** Josie E. Spencer	Bedford, Iowa
Zachery David James	Bettendorf, Iowa	Timothy Richard Spooner	Norfolk, Va.
** Luke Dillon Jerich	Eden Prairie, Minn.	Kristin Ashley Tentinger	Paullina, Iowa
Kyle Loyd Johnson	Ankeny, Iowa	Kiah Lynne Wood	Marion, Iowa
Joseph John Mathieu	Indianola, Iowa	Trey Logan Wulf	Urbandale, Iowa
Michael Robert Alan McVey	Des Moines, Iowa	Anthony Michael Zach	Waukee, Iowa

Major in Management Information Systems

Vaughn Ferrin Allen	Camarillo, Calif.	Dominic David Elario	Pewaukee, Wis.
Sergio Alfredo Alvizo Sanchez	Marshalltown, Iowa	Alec Robert Hafeman	East Dubuque, Ill.
Michael R. Ammons	Cedar Rapids, Iowa	Brant Curtis Holtkamp	Donnellson, Iowa
Madelyn Renae Bellamy	Sioux City, Iowa	Jack C. Hughes	Des Moines, Iowa
** Ellie Noel Beukelman	Woodbury, Minn.	Jace Martin Johnson	Rippey, Iowa
Nathanael James Bunge	Polk City, Iowa	Zane William Johnson	Le Grand, Iowa
Antonio Campos	Des Moines, Iowa	Ty William Kallemyn	Carlisle, Iowa
Andrew J. Chiang Fung	Ames, Iowa	Krishna Kant	Mumbai, India
Alexander Corbin	Eden Prairie, Minn.	Jarrett Joseph Keegan	Dyersville, Iowa
* Zachary Matthew Eaves	Sugar Grove, Ill.	Thomas James Kenealy	Waverly, Iowa

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

Seth Leonard Kessler	Vernon Hills, Ill.	Martin Sadoon	West Des Moines, Iowa
Nicholas Raymond Kiminski	Woodbury, Minn.	Bailey Crimson Schaefer	Ankeny, Iowa
Matthew Austin Kordick	Boone, Iowa	* Cade M. Sherwood	Cumming, Iowa
Drew Austin Lamb	Newton, Iowa	Julia Rose Stetzel	Perry, Iowa
Blake Anthony Larsson	Swisher, Iowa	Derek James Stoering	Eden Prairie, Minn.
Christian Jon Lopez	Sergeant Bluff, Iowa	Jakob Michael Strotzman	Nevada, Iowa
Matthew Donald Moran	Sartell, Minn.	* Luke Thomas Sueppel	West Des Moines, Iowa
Kyle Pietkiewicz	Pingree Grove, Ill.	Robert Scott Wickwire	Dayton, Iowa
Cole William Rogers	Ames, Iowa	Paiton Williams	Plymouth, Minn.
Patrick Christian Rokos	Batavia, Ill.		

Major in Marketing

Jessica Elizabeth Anderson	Lenox, Iowa	Isaac J. Kapustka	Johnston, Iowa
Addison Paul Angel	Chicago, Ill.	Kaylee Knittel	Waukee, Iowa
** Jordan Nicole Armantrout	Pleasant Hill, Iowa	*** Katarzyna J. Krzystolik	Ames, Iowa
Morgan Daniel Bartman	Gretna, Neb.	Isabelle Eileen Kudron	Treynor, Iowa
Jackson David Barzen	Des Moines, Iowa	Megan Marie Langel	Carroll, Iowa
Jackson Winn Beltz	Toledo, Iowa	* Cora Elizabeth Larsen	Adel, Iowa
Nathan Dainal Bolkema	Sioux Center, Iowa	*** Josie L. Lickteig	Pella, Iowa
Bryley Ethan Burgad	Hinton, Iowa	Sidney Angeline McKinley	Cedar Rapids, Iowa
Elizabeth Marie Cairney	Pella, Iowa	Chloe Elizabeth Melendez	Mason City, Iowa
Robert Edward Carlson II	Council Bluffs, Iowa	Hannah Marie Messerich	Carroll, Iowa
Grant Thomas Carter	Runnells, Iowa	** Amanda Madison Nilsen	Ankeny, Iowa
John Dale Colby	Windsor Heights, Iowa	Grant Robert Nolan	Winterset, Iowa
Trey Jarek Comito	West Des Moines, Iowa	Steven Robert Parks	Ames, Iowa
Luke Alan Corey	Ankeny, Iowa	** Tameron A. Paulson	Ames, Iowa
*** Mackenzie Kait Dudevoir	Colorado Springs, Colo.	Brett Alden Pierce	Carlisle, Iowa
Brandon Michael Eul	Chicago, Ill.	Matthew James Pritchett	Bloomington, Ill.
* Joshua Paul Faley	Ankeny, Iowa	*** Matthew Bruce Rader	Plymouth, Minn.
Collin Freund	Village of Lakewood, Ill.	** Madison Chase Rahn	Clive, Iowa
Dylan Michael Gara	Hampshire, Ill.	Gracie Lynn Redel	Cedar Rapids, Iowa
Bailey Green	Cedar Rapids, Iowa	Andrew Nicholas Roby	Eden Prairie, Minn.
David O. Hatten	Romulus, Mich.	*** Hannah Mae Sand	Waukee, Iowa
Max Glenn Heithoff	Carroll, Iowa	James Patrick Simon	Des Moines, Iowa
Trista Ann Helmers	Sheldon, Iowa	Jeffery Douglas Spaur	Grimes, Iowa
* Sarah Elizabeth Hinners	Ames, Iowa	** Breanne Marie Weiland	Jewell, Iowa
Jared Scott Jensen	Ames, Iowa	Isaiah Mikale Williams	Minneapolis, Minn.
Morgan Marie Jensen	Sioux Center, Iowa	* David Zhi Yang Wong	Selangor, Malaysia
** Chasity Johnson	Sioux City, Iowa	Jacob Dean Zosel	Bloomington, Minn.

Major in Supply Chain Management

Bryson Stone Barnett	Lynnville, Iowa	Kody Joseph Koerselman	Le Mars, Iowa
Hunter Michael Beyerink	Grand Junction, Iowa	** McKenzie Scott Kolb	Madison, Wis.
Keegan Chase Darby	Lake of the Ozarks, Mo.	Alyssa Christine Little	Loves Park, Ill.
Carter Jeffrey Dighton	Boone, Iowa	Clare Michelle McDonald	Warrenville, Ill.
Macy Alanna Duregger	Irvine, Calif.	Courtnee Lynn Milam	Nevada, Iowa
Daniel J. Essiem	Takoma Park, Md.	Seth Hogan Mitchell	Boone, Iowa
Justin Michael Grapenthin	Crystal Lake, Ill.	Drew Pehrson	Lino Lakes, Minn.
Nathan Dale Hammelman	Waukee, Iowa	Brian Psculkowski	Des Moines, Iowa
Jason Patrick Hatton	Denison, Iowa	Anthony Wilson Segovia	Ottumwa, Iowa
Madolyn Jeanette Hein	Waterloo, Iowa	*** Rachel M. Shoemaker	Prophetstown, Ill.
Taylor Anne Herman	Andover, Minn.	Drew Steines	Dubuque, Iowa
Justin Daniel Hibbs	Carlisle, Iowa	Emily Caroline Van Norden	Pella, Iowa
Brett P. Ingram	Champlin, Minn.	* Aidan Joseph Wilson	Waterloo, Iowa
*** Audrey K. Jones	Overland Park, Kans.	** Jakob Hunter Winandy	Peosta, Iowa
** Julia Christine Kamin	Robins, Iowa		

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

Multiple Curricula and Majors

*** Bellin Abigail Banwart Finance and Management	<i>Adel, Iowa</i>	* Anneliese P. Marconi Supply Chain Management and Management Information Systems	<i>Wheaton, Ill.</i>
* James York Bentley Finance and Accounting	<i>Ames, Iowa</i>	Brittany L. Marne Management Information Systems and International Business	<i>Omaha, Neb.</i>
*** Emily Elizabeth Braun Accounting and Entrepreneurship	<i>Boone, Iowa</i>	** Annette M. Marsalli Management and Liberal Arts and Sciences: Major in Psychology	<i>Hiawatha, Iowa</i>
*** Jordan Marantha Brocco Accounting and Management Information Systems	<i>Waterloo, Iowa</i>	* Lwembo Mwenyi Finance and Management Information Systems	<i>Des Moines, Iowa</i>
Mitchell W. Burghardt Supply Chain Management and Management	<i>Cape Elizabeth, Maine</i>	Hayden M. Nguyen Marketing and Management Information Systems	<i>Maple Grove, Minn.</i>
*** Hannah Rose Caple Supply Chain Management and Business Analytics	<i>Maxwell, Iowa</i>	** Jori Lynn Nieman Marketing and Management	<i>Urbandale, Iowa</i>
*** Jonathan Michael Carlson Entrepreneurship and Finance	<i>Ankeny, Iowa</i>	Cameron Nicole Quance Management and Marketing	<i>Spirit Lake, Iowa</i>
* Olivia Carlson Marketing and Management	<i>New Virginia, Iowa</i>	* Juthi Saha Management Information Systems and Business Analytics	<i>Aurora, Ill.</i>
* Kathryn Cordelia Cosgrove Supply Chain Management and Liberal Arts and Sciences: Major in World Languages and Cultures (Spanish)	<i>Cedar Rapids, Iowa</i>	Julio Cesar Sanchez Finance and Management	<i>West Des Moines, Iowa</i>
* Melanie McKenna Doran Marketing and Management	<i>Jefferson, Iowa</i>	Benjamin James Schoenfeld Accounting and Business Analytics	<i>Calgary, Canada</i>
Cameron Eggert Management and Marketing	<i>Atkins, Iowa</i>	Donggyun Sea Marketing and Entrepreneurship	<i>Aliso Viejo, Calif.</i>
Max Raymond Fiebelkorn IV Accounting and Finance	<i>Glenwood, Iowa</i>	Kyle Jerome Snyder Marketing and Supply Chain Management	<i>Carroll, Iowa</i>
Jacob Alejandro Galloway Entrepreneurship and Liberal Arts and Sciences: Major in World Languages and Cultures (Spanish)	<i>West Des Moines, Iowa</i>	Ray Persaud Sookchain Marketing and International Business	<i>Richfield, Minn.</i>
Olivia D. Gwyan Management and Marketing	<i>Cedar Rapids, Iowa</i>	*** Grace Marie Springman Accounting and Marketing	<i>Council Bluffs, Iowa</i>
Will A. Heathman Finance and Management	<i>Pleasantville, Iowa</i>	Nathan J. Sturges Management and Marketing	<i>Urbandale, Iowa</i>
** Taryn A. Hutson Marketing and Management	<i>Huxley, Iowa</i>	Kayla Jeanne Swenson Marketing and Management	<i>Chanhassen, Minn.</i>
Jaehong Hwang Marketing and Management Information Systems	<i>Seoul, South Korea</i>	** Jordan Kay Tiffany Marketing and Management	<i>Washington, Iowa</i>
** Johnathan Kirk Imerman Finance and Accounting	<i>Boone, Iowa</i>	Adam Toepfer Marketing and Entrepreneurship	<i>Chicago, Ill.</i>
** Kyle Annon Knudson Finance and Accounting	<i>Harlan, Iowa</i>	Drew Urquhart Finance and International Business	<i>Montrose, United Kingdom</i>
** Jaelynn M. Kueker Business Analytics and Management Information Systems	<i>Ankeny, Iowa</i>	Spencer Michael Weyer Marketing and Management Information Systems	<i>Johnston, Iowa</i>
		* Winnie Wiryadi Marketing and Management	<i>Jakarta, Indonesia</i>

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

CANDIDATES FOR DEGREES FROM THE COLLEGE OF DESIGN

BACHELOR OF ARCHITECTURE

Curriculum in Architecture

Qiaofeng Chen	Dongguan, China	Jorge Andres Nunez	Excelsior, Minn.
** Jia Lan Chow	Kota Kinabalu, Malaysia	**† Jack Allen Strait	Urbandale, Iowa
Donovan Michael Cole	Ames, Iowa	Tristian Thao	Cottage Grove, Minn.
** Lily K. Ehler	Overland Park, Kans.	*† Emi K. Thornton	Poulsbo, Wash.
Lilian Joseph Juma	Kansas City, Mo.	Aubrey C. White	Sussex, Wis.
* Yahia Atef Saleh Mohamed	Cairo, Egypt		

Multiple Curricula and Majors

***† Jonathan William Kaye	Lake in the Hills, Ill.
Architecture and Environmental Studies	

BACHELOR OF ARTS

Curriculum in Art and Design

Alexander Howard Grimes	Boone, Iowa
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BACHELOR OF FINE ARTS

Curriculum in Graphic Design

*** Emma Elizabeth Sheka	Cedar Rapids, Iowa
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Curriculum in Integrated Studio Arts

Mali Haiyan Bilstad	Ames, Iowa	Marilyn Nancy Schuling	Bondurant, Iowa
** Helen Fiona Chandler	Newton, Iowa	** Nikole LaRue Vollmer	Sugar Land, Tex.
Maddison Jo Edwards	Cedar Rapids, Iowa		

Curriculum in Interior Design

Brianna Marie Nelsen	Grimes, Iowa	* Lauren E. Smothers	Cedar Falls, Iowa
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BACHELOR OF INDUSTRIAL DESIGN

Curriculum in Industrial Design

Garron Ray Barber	Cascade, Iowa	Alexander Hau Nguyen	Des Moines, Iowa
* Aaron W. Born	Pella, Iowa	Caleb John Nikkel	Pella, Iowa
*** Bridget C. H. Brown	Iowa City, Iowa	Mitchell Connor Oleson	St. Joseph, Mich.
Michael Brandon Brown	West Des Moines, Iowa	** Emma Marie Olson	Hudson, Wis.
* Sophia Josephine Camarato	Kirkwood, Mo.	* Levi Olson	Mitchell, S. Dak.
* Collin James Clough	Omaha, Neb.	Grant Takashi Runtsch	Rochester, Minn.
John Hunter Gray	Lino Lakes, Minn.	*** Keturah Marie Sauke	Sheffield, Iowa
** Avanti Riya Gulwadi	Cedar Falls, Iowa	Chaeli Schneider	Fort Madison, Iowa
** Luke Richard Hauritz	Edina, Minn.	* Sarah Ashley Thidarack Somsavath	Clive, Iowa
*** Cade Matthias Hupp	Manhattan, Kans.	* Cliff Song	Ames, Iowa
Delaney Michelle Keaveny	Annandale, Minn.	*** Jaimie Laigo Soriano	Huntley, Ill.
Ashton Marie Lamborn	Nashua, Iowa	* Xinhao Wei	Shenzhen, China
Nicolette Alynn Land	Ankeny, Iowa	** Evan Michael Wilson	Anamosa, Iowa
** Jacob Anthony Laufenberg	Davenport, Iowa	Isaac A. S. Woolery	Shenandoah, Iowa
** Zachary David McLean	Anamosa, Iowa		

BACHELOR OF SCIENCE

Curriculum in Community and Regional Planning

* Lauren T. Bishop	Marion, Iowa	** Matthew Scott Smith	Clive, Iowa
Noah Joseph Lebeda	Urbandale, Iowa	* Joshua Francis Stephens	Philadelphia, Pa.
Chloe Marie McAninch	Runnells, Iowa	Kaleb U. Stevens	Ames, Iowa
Nina B. Nassif	Cedar Rapids, Iowa		

CANDIDATES FOR DEGREES FROM THE COLLEGE OF ENGINEERING

BACHELOR OF SCIENCE

Curriculum in Aerospace Engineering

John Daniel Ackert	Dixon, Ill.	Karsten A. Lambert	Minden, Iowa
** Samuel Wesley Barton	Naperville, Ill.	Kevin Michael Langer	Woodbury, Minn.
Colin Maxwell Beaver	Wapello, Iowa	Esther Kabushenga Mbabazi	Luzira, Uganda
Austin Robert Beckhardt	O'Fallon, Mo.	** Carter J. McCraith	Lincoln, Ill.
*** Hannah F. Blumhoefer	New Ulm, Minn.	Reid Andrew Miller	Newton, Iowa
Jacob Edward Bruss	Maple Grove, Minn.	Phillip G. Misterman	Sartell, Minn.
Forest Burgess	Des Moines, Iowa	Logan Robert Mitchell	Stillwater, Minn.
Anthony Campagnola	Minneapolis, Minn.	Abigayle Elaine Moser	Clarendon Hills, Ill.
Hunter Scott Carey	New Hampton, Iowa	* Alexander Gregory Mucha	Lemont, Ill.
Han Lin Chen	Las Vegas, Nev.	Andrew Thomas Olinger	Elk River, Minn.
Blake Michael Childers	Bettendorf, Iowa	Jacob Peskuski	South Elgin, Ill.
*** Christopher Joseph Dupuis	Tyler, Tex.	Kyle Shawn Puttmann	Orange City, Iowa
* Andrew Yih-Long Fung	Urbandale, Iowa	Bruno Rangel Huerta	San Luis Potosi, Mexico
Samuel Elias Galuk	Wisconsin Rapids, Wis.	** Dion Paul Simon	Dubuque, Iowa
Ethan Jerome Geer	Elkhorn, Neb.	Joel Patrick Stahr	Ames, Iowa
Klarissa A. Gonzalez	San Antonio, Tex.	Kushal Dev Suresh	Bangalore, India
Brett J. Goron	Elk Grove Village, Ill.	* Connor James Trebac	Deer Park, Ill.
Laura Jeanne Hyink	Elmhurst, Ill.	Kyle Paul Vanderham	Hillsboro, Iowa
Grant Paul Idleman	Granger, Iowa	Tatyana A. Vaughn	Davenport, Iowa
Andrew C. Johnson	Bethany, Conn.	Matthew Webb	Frankfort, Ill.
Christopher John Jordan	Dubuque, Iowa	Samuel Joseph Wentz	Dakota Dunes, S. Dak.
Khushi Kapoor	Iowa City, Iowa	Qinyuan Zheng	Ningbo, China

Curriculum in Agricultural Engineering

Thomas Matthew Britten	Creston, Iowa	Samuel C. Reed	Washington, Iowa
William James Condon	Horicon, Wis.	** Felipe Rodrigues Picchi	São Paulo, Brazil
*** Justin Reid Dillon	Sumner, Iowa	** Lucas Martin Roe	Odell, Ill.
* Lincoln Dennis Fehr	Mallard, Iowa	* Laura June Rouse	Bradford, Ill.
Bryce Owen Gaede	Sumner, Iowa	* Camren Jay Saxton	Granada, Minn.
Tyler James Gehling	Polk City, Iowa	** Thomas Lloyd Sell	Storden, Minn.
Zachary T. Herzberg	Melrose, Wis.	*** Logan James Sieren	Keota, Iowa
Carl Richard Howell	Alameda, Calif.	** Kathrine Lee Sobotka	Diagonal, Iowa
David B. Loeffler	St. Clair, Minn.	Benjamin Thompson	Zumbrota, Minn.
Parker R. Nolan	Van Horne, Iowa	* Nicholas G. Wood	Hartland, Wis.
** Noah James Peterson	Young America, Minn.	Corby J. Wuthrich	Bloomfield, Iowa

Curriculum in Biological Systems Engineering

* Phyllis Qiao Ying Hew	Kuala Lumpur, Malaysia	* Linh My Tong	Hanoi, Vietnam
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Curriculum in Chemical Engineering

William A. Barnes	Lakeville, Minn.	** Joel Terrence Clancy	Lisle, Ill.
Kimberly Renee Bolduc	West Des Moines, Iowa	Katerina Mya Connelly	Pennsville, N.J.
** Laura J. Brown	Bettendorf, Iowa	Jackson William Eddy	Dubuque, Iowa
Isamar Yamile Caro Gonzalez	Waukegan, Iowa	Spencer James Eeten	Heyworth, Ill.
Dominic Michael Cascio	Rockford, Ill.	Alexander Patrick Fiscu	Palatine, Ill.
Divya Christy	Hong Kong, China	*** Hannah E. Gebur	Owatonna, Minn.

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

Ross Charles Gould	Sterling, Ill.	** David S. Plotnik	Skokie, Ill.
Haley Marie Johnson	Lake Elmo, Minn.	Justin William Pottorff	Sycamore, Ill.
Bennett Alan Kiecker	Hudson, Wis.	Spencer William Prinsloo	Ames, Iowa
*** Alexander Marlow Kom	Ames, Iowa	*** Bryce Roman Reynolds	Sioux City, Iowa
* Margaret Marie Lashier	Blair, Neb.	Savina Salcido	Kansas City, Mo.
Elaine Leonard	Platteville, Wis.	* Christopher R. Schnitzler	Elizabeth, Ill.
Reya Mariam Mathew	Des Moines, Iowa	Emily E. Wilkerson	Adel, Iowa
Ciara Elizabeth McNeley	Palma de Mallorca, Spain	Michael P. Zimmerman	Marion, Iowa
Yashas Nagaraj	Bangalore, India	Justin Thomas Zirzow	Vernon Hills, Ill.
Tien Vy Pham	West Des Moines, Iowa		

Curriculum in Civil Engineering

Kyler J. Ball	Dubuque, Iowa	*** Tyler Steven Markert	Marengo, Ill.
Ethel C. Banks	Coon Rapids, Minn.	Shane McCullum	Simsbury, Conn.
Jonah Allen Braaten	Burnsville, Minn.	Casey Bridget Myers	St. Louis, Mo.
Landon B. Broadhead	Ankeny, Iowa	Abigail Nicole Nill	Blaine, Minn.
Eric Joseph Brose	Dunlap, Ill.	William D. Oelschlaeger	Minneapolis, Minn.
Brendan Brian Carpizo	Crystal Lake, Ill.	** Alex Patkin	Ankeny, Iowa
Cameron Bryan Carroll	Waukee, Iowa	Jeffrey M. Pioquinto	Gurnee, Ill.
Marcus Lai Ho Chan	Chicago, Ill.	Trevor Daniel Rhedin	Council Bluffs, Iowa
Kaleb James Dale	West Des Moines, Iowa	Michael Martin Richards	Lawton, Iowa
Matthew Robert Fortmann	Nevada, Iowa	Xavier Robles	Des Moines, Iowa
Rason Joe Goergen	Atlantic, Iowa	Augustine Andre Rosas	Davenport, Iowa
Reese Rodney Hageman	Marshalltown, Iowa	Conor Smyth	Naperville, Ill.
Jesse Owen Hill-Male	Spring Grove, Ill.	* Brycen Erik Snell	Cedar Rapids, Iowa
Gyeongmin Kang	Seoul, South Korea	Alec William Walker	Exira, Iowa
Jack Thomas Knoepfler	Woodbury, Minn.	Marisa L. Young	Pleasant Hill, Iowa
Dennis Kryuchkov	Wheeling, Ill.	Wade F. Zahurones	Baxter, Iowa
Taylor Ann Lansing	Ankeny, Iowa	Zetian Zhang	Irvine, Calif.

Curriculum in Computer Engineering

Joshua Lewis Baringer	Indianola, Iowa	* Samuel Ian Lavin	Atkins, Iowa
Bruce A. Bitwayiki	Davenport, Iowa	* Constantine R. Mantas	Northbrook, Ill.
** William Scott Blanchard	Lindenhurst, Ill.	Cristofer Medina Lopez	Denison, Iowa
*** Mason G. DeClercq	Waconia, Minn.	Jacob P. Nett	Eagle Grove, Iowa
Nicholas Thomas Fahey	West Saint Paul, Minn.	Kevin T. Nguyen	Davenport, Iowa
Connor Gaecke	Gurnee, Ill.	Noah William Nickel	Maple Grove, Minn.
** Dawood J. Ghauri	Davenport, Iowa	** Tyler J. Rebisckke	Lakeville, Minn.
* Johann Harold Guepjob		* Rushal Sohal	Pune, India
Megaptche	Douala, Cameroon	* Jung Ho Suh	Seoul, South Korea
Colton Samuel Hazlett	Lakeville, Minn.	*** Soma Szabo	Székesfehérvár, Hungary
Dustin M. Heims	Dyersville, Iowa	** David Gregory Vachlon	Clarendon Hills, Ill.
Maxim Gary Hjelmstad	Rosemount, Minn.	Bailey J. Wanders	New Sharon, Iowa
Jordan Nathaniel Hoosman	Waterloo, Iowa	Vignati Yalamanchili	Vernon Hills, Ill.
Kellan Ryan Hulet	Cedar Rapids, Iowa		

Curriculum in Construction Engineering

Adam R. Barber	Viola, Ill.	Mattea Allese Ketelsen	Le Mars, Iowa
Nels Anton Benson	Port Barrington, Ill.	Cade Joseph Theodore King	Dayton, Iowa
*** Brooks Alexander Boie	Rochester, Minn.	Tyler Allen Kumsher	Garner, Iowa
Zachary John Clausing	Brooklyn Park, Minn.	Campbell Austin Mallak	Lakeville, Minn.
Nathan Charles Clemens	Hastings, Minn.	Isaac Thomas McCleary	Bondurant, Iowa
* Kacey B. Davis	Montrose, Iowa	Joseph T. McDowell	White, S. Dak.
Matthew C. DeJong	Sioux City, Iowa	Simon Midtbo	Minneapolis, Minn.
** Luke Robert Eggers	Clear Lake, Iowa	Natalie Dawn Mitchell	Eldridge, Iowa
Blake Allen Gregory	Ogden, Iowa	Ian Rubish	Owatonna, Minn.
Henri Herbert Haafke	Bronson, Iowa	** Jonathan Thomas Utley	Ankeny, Iowa
*** Mitchell Paul Hayes	Arlington, Iowa	Miguel Vazquez-Espinoza	Des Moines, Iowa
Clare Holden	Golden Valley, Minn.	Aaron Alexander Wills	Donnellson, Iowa

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Curriculum in Cyber Security Engineering

* Zachary Mark Bunch Chris Horvatic	Prole, Iowa Pleasant Hill, Iowa	Charles C. Mulderink Nicaela Rene Rose	Kildeer, Ill. Plainfield, Ill.
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Curriculum in Electrical Engineering

Nathan Michael Armstrong	Peosta, Iowa	Hieu Cong Nguyen	Sioux City, Iowa
Dylan Tylor Blattner	Fairfax, Iowa	** Patrick Craig O'Brien	Clive, Iowa
* Benjamin Rory Brown	Manchester, Iowa	Jason Ricardo Rangel	Rock Island, Ill.
Brandon W. Choy	Hoffman Estates, Ill.	Dalton M. Rederick	Sioux City, Iowa
Ethan D. Cooper	Cedar Rapids, Iowa	Hassein A. Rife	Marion, Iowa
* Joseph Larrell De Jong	New Prague, Minn.	Jacob Ezra Ross	Frankfort, Ill.
** Brandon Lance Degeneffe	Ames, Iowa	Charles Sang	Perry, Iowa
Jason Patrick Grunklee	Eagan, Minn.	Pallavi Santhosh	Carlsbad, Calif.
*** Lucas Joseph Heimer	Kasson, Minn.	Gregory Joseph Schmitt	Liscomb, Iowa
* Connor Joseph Kazin	Oakwood Hills, Ill.	Krishan Selvyn Sritharan	Ames, Iowa
Alex Thomas Kiefer	Taopi, Minn.	Brandon Robert Stark	Rockton, Ill.
Dylan J. Kohlbeck	Mosinee, Wis.	** Jonah Anthony Stoffer	Peoria, Ill.
* Jace Christopher Kunkel	Hazel Green, Wis.	* Rachel Renee Teberg	Cedar Rapids, Iowa
Johnathan D. Leisinger	Denver, Iowa	*** Yee Shen Teoh	Subang Jaya, Malaysia
Zhihao Liu	Urumqi, China	** Caleb James Townsend	Bondurant, Iowa
Christopher G. Marting	Elgin, Ill.	Joshua David Vrenick	Council Bluffs, Iowa
Carter Alexander McCarthy	Dubuque, Iowa	Jacob D. Walczak	Homer Glen, Ill.
* Mohamed Harith Arsyad		* Stone K. Widder	Johnston, Iowa
Mohamed Azham	Kajang, Malaysia	* Kangcheng Xu	Zhangjiagang, China
* Tyler Keith Mork	Osage, Iowa		

Curriculum in Environmental Engineering

Yelena Varley	Stuart, Iowa
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Curriculum in Industrial Engineering

Gloria Rosely Almendarez	Des Moines, Iowa	** Guillermo Alberto	
Nicole Marie Aroche	Ames, Iowa	Iraheta Lara	Santa Tecla, El Salvador
Samuel Joseph Austin	Iowa City, Iowa	Makayda Chanel Johnson	Iowa City, Iowa
Izak Neil Baumhover	Carroll, Iowa	Jacob Alan Kauk	Dunlap, Ill.
* Luke George Becker	Richfield, Minn.	Alexander Edward Kock	Arcadia, Iowa
Patrick Joesph Bess	Wheaton, Ill.	Benjamin Kole Kroeger	Eldridge, Iowa
Jagaruk Nilax Bhatt	Kampala, Uganda	* Eugene Thomas Meyer	Mount Prospect, Ill.
Matthew Tambo Booth	Muscatine, Iowa	Alexander Kenneth Moses	Elburn, Ill.
Alyssa Megan Bowes	Peoria, Ill.	Yajaira Navarro	Davenport, Iowa
William Grayson Burgess	Cedar Rapids, Iowa	Emily Ann Nejdil	Brandon, Iowa
* Benjamin John Cahalan	North Mankato, Minn.	Minh Nhat Nguyen	Hanoi, Vietnam
** Blake Christopher Clark	West Des Moines, Iowa	Shalin Patel	Bartlett, Ill.
Paul James Crandall	Lemont, Ill.	Henry P. Roback	Bartlett, Ill.
** Melia Claire Finn	Wichita, Kans.	Bronson Lincoln Rodgers	Lakeville, Minn.
Zachary N. Ford	Tipton, Iowa	Erik Paul Officer Rutzen	Edina, Minn.
Michael Robert Freda	Arlington Heights, Ill.	Mark Lee Stefan	Norwalk, Iowa
Sean Ian Gardner	Omaha, Neb.	* Daniel Forrest Swegle	Ballwin, Mo.
Jordan D. Green	Litchfield, Minn.	Dalton Gerald Nelson Teeter	Lodi, Calif.
Vandi Hartanto	Jakarta, Indonesia	Andrew Joseph Westercamp	Des Moines, Iowa
Matthew G. Hines	Ankeny, Iowa	**† Gayle Si Yii	Singapore

Curriculum in Materials Engineering

Daniel Dwane Bohl	Misawa Air Base, Japan	** Julie Marie Mills	Carol Stream, Ill.
* Jeffrey George Chumbley	Boone, Iowa	** Andrew J. Ruba	Ankeny, Iowa
Cole Matthew		Ritinder Sandhu	Amritsar, India
Ganske-Espe	Inver Grove Heights, Minn.	Haley Anne Schultz	Prior Lake, Minn.
Landon Michael Hickman	Altoona, Iowa	*** Shaden John Tweeten	Forest City, Iowa
Grant T. Kelly	Centerville, Iowa	* Alec Gerald Wakefield	Buffalo, Minn.
Seth Bradley Miller	Burnsville, Minn.	Ty Daniel Warnke	Ida Grove, Iowa

Curriculum in Mechanical Engineering

Bruno de Sanctis Viana Lara	Nova Lima, Brazil	Luke Andrew Huedepohl	Shueyville, Iowa
Caleb Andrew Aardahl	Lino Lakes, Minn.	* Minh-Quan Le Huynh	Des Moines, Iowa
Matthew William Andreesen	Vinton, Iowa	Ryan John Hyland	Verona, Wis.
** Julia Nicole Austin	Coralville, Iowa	Caleb Samuel Jacobson	Prior Lake, Minn.
Aldo Avalos	Council Bluffs, Iowa	Samuel Devin Jennings	Lee's Summit, Mo.
Cole R. Ballard	Urbandale, Iowa	** Sebastian J. Johanson	Oxford, Iowa
Sean Louis Bauer	Walker, Iowa	Jared Alan Johnson	Urbandale, Iowa
*** Gavin James Becker	Britt, Iowa	** Benjamin Joseph	Seremban, Malaysia
Nathaniel Wayne Bennett	Bronson, Iowa	Shambhavi Joshi	Indore, India
Elijah Rain Berthel	Zwingle, Iowa	* Tyler Alan Katzenmaier	Cottage Grove, Minn.
Jared Benjamin Boelter	Cedar Rapids, Iowa	Geonhyung Kim	Seoul, South Korea
Colten Lee Bohlen	Lakeville, Minn.	** Alexander Thomas Kogut	New Lenox, Ill.
* Derek Roger Bokelmann	Faribault, Minn.	Mason Vinson Laird	Channahon, Ill.
John C. Braniff	Tekamah, Neb.	Sangyoon Lee	Inchone, South Korea
** Tony M. BurkeMoore	Des Moines, Iowa	*** David Felipe Leguizamo	West Des Moines, Iowa
** Rachael Leigh Byrum	West Des Moines, Iowa	Calvin R. Lewis	Richfield, Minn.
* Cole Thomas Caleo	Moline, Ill.	* Ming-Shun Liao	Taichung, Taiwan
Richard Steven Caruso	Ankeny, Iowa	*** Caleb Christian Ludwig	Breda, Iowa
Khrih Thawng Ceu	Marshalltown, Iowa	*** Henry Jacob Mace	Lakeville, Minn.
Calvin Shawn Chow	Naperville, Ill.	Joshua Sterling Marckmann	Des Moines, Iowa
*** Yang Kang Chua	Bukit Jalil, Malaysia	** Tyler Joseph Markve	Maple Grove, Minn.
Angus Michael Cornish	Davenport, Iowa	* Bowen Matyka	Plainfield, Ill.
Chris Daily	Ankeny, Iowa	Drake Harrison McMurtry	Edwards, Ill.
Isaac Oliver Damhoff	Morrison, Ill.	Collin Joseph Meints	Sheffield, Iowa
Colton Thomas Demesko	Lee's Summit, Mo.	** Ryan Joseph Meyer	Germantown Hills, Ill.
Jack Thomas Deters	Quincy, Ill.	** Cheyenne Janea Minniss	Jackson, Minn.
Tobias Joseph Doffing	Dubuque, Iowa	Colin D. Mohlman	Wildwood, Mo.
** Mason Kolka Drees	West Des Moines, Iowa	Justin Michael Moore	Cedar Rapids, Iowa
Wyatt Douglas Ebner	Inver Grove Heights, Minn.	** Nolan Ryan Moore	Clive, Iowa
** Ethan Christopher Ekstrom	Hawthorn Woods, Ill.	Mitchell W. Mullen	Eden Prairie, Minn.
Alwasila M. Elbashir	Port Sudan, Sudan	* Stefan Ray Neumann	Downers Grove, Ill.
Andrew Charles Engh	Woodbury, Minn.	Duc Ngoc Nguyen	Ho Chi Minh City, Vietnam
Ryan Epp	Des Moines, Iowa	*** Claire Helen Palmer	Plainfield, Ill.
** Cooper J. Filzen	Winona, Minn.	Shaan Chirag Patel	Roselle, Ill.
Connor Michael Fink	Joliet, Ill.	** Katherine Marie Ray	Oakdale, Minn.
** Gage Daniel Fischer	Auburn, Neb.	** Jace Cameron Rea	Cedar Falls, Iowa
Jordan Patrick Fischer	Itasca, Ill.	* Taylor Elissa Renze	Madrid, Iowa
* Jordan Forrest Golberg	Lakeville, Minn.	* Joseph Alexander Romo	Chicago, Ill.
*** Dante Crusoe Goldner	Manchester, N.H.	Nathan Rushing	Brimfield, Ill.
Kahele E. Goldschmitz	Saint Paul, Minn.	* Zachary Keith Sailor	Hazleton, Iowa
David R. Griffith	Woodbury, Minn.	*** Gabrielle Elise Sawin	La Salle, Ill.
Ethan Paul Gritton	Crystal Lake, Ill.	*** Nicholas J. Schiefelbein	Lakeville, Minn.
Xiuqi Guo	Portland, Oreg.	Brandon Laverne Schilling	Huxley, Iowa
Samuel Gutierrez	Carpinteria, Calif.	Tyler G. Schwab	Hudson, Wis.
***† Ashlyn M. Haack	Davenport, Iowa	* Craig Matthew Seykota	Wayne, Ill.
** Dominique Jager Hain	Sheldon, Iowa	Vedanti Sharma	Thane, India
** Cade C. Hansen	Mason City, Iowa	Bradley Brian Sierens	Sheffield, Ill.
Isaac Hays Hanson	Bloomington, Minn.	Walker John Thede	Reinbeck, Iowa
** Evan M. Hartman	Wheaton, Ill.	Benjamin David Thompson	West Branch, Iowa
Mikal Lars Hofstad	Northfield, Minn.	** Brett Michael Tigges	Dubuque, Iowa

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

Joseph C. Trudeau *Lake Zurich, Ill.*
 Lingjie Wang *Nantong, China*
 Andrew James Wilcek *Stillwater, Minn.*
 Theodore Andrew Willemsen *Libertyville, Ill.*

Tyler Burke Williams *Davenport, Iowa*
 *** Sarah Elizabeth Wilson *Crystal Lake, Ill.*
 Yanran Xu *Shanghai, China*
 ** Aamer Ali Ibrahim Yagoub *Sterling, Va.*

Curriculum in Software Engineering

*** Saljooq Altaf *Karachi, Pakistan*
 ** Daniel Shawn Andrews Jr. *Victor, Iowa*
 Carson Campbell *Ames, Iowa*
 Samantha R. Culver *Cedar Rapids, Iowa*
 ***† Andrew Deick *Rochester, Minn.*
 Caleb Stephen Donavon *Ames, Iowa*
 Jay Jarrett Edwards *Ames, Iowa*
 Theron Robert Gale *Marshalltown, Iowa*
 Jared Mason Hayashi *Lake Elmo, Minn.*
 William Edward Hunt *Mount Ayr, Iowa*
 Sullivan Michael Jahnke *Minneapolis, Minn.*
 Jacob Lane Kelderman *West Des Moines, Iowa*
 Nathan William Marquardt *Lakeville, Minn.*
 * Tiffany Vedell Mayberry *Ames, Iowa*

Alec Robert Meyer *Cedar Rapids, Iowa*
 Nathanael Richard Morris *Mundelein, Ill.*
 * Anthony Scott Nuss *Fairmont, Minn.*
 Siddharth Rana *Meerut, India*
 Collin Scott Reeves *West Des Moines, Iowa*
 Austin Carr Rognes *Ankeny, Iowa*
 Mav Marie Sinn *Yamhill, Oreg.*
 Kyle G. Strozinsky *Eden Prairie, Minn.*
 Chris Vinh Tan *Davenport, Iowa*
 Ryan L. Thompson *West Des Moines, Iowa*
 Adrian Michael Vanderveer *West Des Moines, Iowa*
 Ty Jonathan Wallis *Cedar Rapids, Iowa*
 *** Zi-Jan Wong *Bukit Mertajam, Malaysia*
 Camdyn Zook *Bloomington, Ill.*

Multiple Curricula and Majors

Isabelle Murray *Grimes, Iowa*
 Mechanical Engineering and Liberal Arts and
 Sciences: Major in World Languages and Cultures
 (Spanish)

Matthew Glen Nord *Carlisle, Pa.*
 Aerospace Engineering and Liberal Arts and
 Sciences: Major in World Languages and Cultures
 (German)

** Lucas Derek Reidel *Mason City, Iowa*
 Construction Engineering and Liberal Arts and
 Sciences: Major in World Languages and Cultures
 (Spanish)

CANDIDATES FOR DEGREES FROM THE COLLEGE OF HUMAN SCIENCES

BACHELOR OF SCIENCE

Curriculum in Apparel, Merchandising, and Design

Clarissa Suzanne Boyd	Creston, Iowa	Aylen Daiana Lombardi	Rancho Santa Margarita, Calif.
Xi Chen	Fuzhou, China	Dillon J. Alexander Napier	Fort Dodge, Iowa
Pearly Das	New Delhi, India	* Kristin A. Nelson	Omaha, Neb.
* Alexia Mae Davis	Mason City, Iowa	Adriana Paz-Lopez	West Des Moines, Iowa
Macee Marie Ellis	Urbandale, Iowa	** Emma G. Saddler	Dubuque, Iowa
* Mackenzie Leigh Frunzar	West Des Moines, Iowa	Isabella Leann Skaggs	Peoria, Ill.
* Lauren Danielle Gabby	Urbandale, Iowa	Dominick D. Tamayo-Myers	Cedar Rapids, Iowa
Brianna Sola Jai Harden	Sauk Village, Ill.		

Curriculum in Culinary Food Science

Peter E. Serrot	Hiawatha, Iowa
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Curriculum in Dietetics

Allison Mae Varineau	Ankeny, Iowa
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Curriculum in Early Childhood Education

Abigail Lucille Burke	Northfield, Ill.	Savannah Leigh Meyer	Iowa City, Iowa
* Hannah Nicole Eggermont	Runnells, Iowa	Kelly Sonoko Yasutake	Evanston, Ill.
* Yexin Li	Nanjing, China		

Curriculum in Elementary Education

** Jason W. Adams	West Des Moines, Iowa	Ashley Rose Joens	Iowa City, Iowa
** Courtney Lynn Arnold	De Soto, Iowa	Mackenzie Mariam Lara	Marion, Iowa
** Kylie Ann Baumert	Pleasant Hill, Iowa	** Chloe Michelle Lester	Clear Lake, Iowa
*** Emily Mae Bonnett	North Liberty, Iowa	** Jessica Marie Lewis	Boone, Iowa
*** Kalli Nicole Bossom	De Witt, Iowa	Abbie Jo Lindsey	Nevada, Iowa
Mia Josephine Campero	Des Moines, Iowa	Abigail Elizabeth Long	Ankeny, Iowa
Michaela K. Carstens	Decatur, Ill.	** Laurin Elizabeth Lyons	Grand Junction, Iowa
** Olivia Carol Chamberlain	Johnston, Iowa	Sarah Anne Madison	Urbandale, Iowa
** Mylea Amber Cole	Urbandale, Iowa	Jacqueline Marquez Amaya	Des Moines, Iowa
*** Canon Ree DeGroot	Parkersburg, Iowa	*** Alexis Ann McCrory	Sergeant Bluff, Iowa
Rachel Paige Morgan Duncan	Altoona, Iowa	** Ashley Lynn Moore	Madrid, Iowa
* Lori Nicole Dvorak	Bondurant, Iowa	Katherine Moore	Mound, Minn.
** Madelyn Olivia Ekdorn	Grimes, Iowa	** Brooke Marie Mueller	Manly, Iowa
** Mckenna Michele Gleason	Cedar Falls, Iowa	*** Brenna Rae Nelson	Spencer, Iowa
** Morgan Elizabeth Goetz	Harlan, Iowa	* Natalie Sue Nordstrom	Fort Dodge, Iowa
Danielle Marie Golden	Centerville, Minn.	***† Alyssa H. Pask	Saint Paul, Minn.
* Bailey Greubel	Indianola, Iowa	** Taylor Kay Pevestorf	Coon Rapids, Iowa
* Blake Lindsey Gunderson	Lake Park, Iowa	** Madeline Margaret Sabella	Chicago, Ill.
* Catherine Claire Harris	West Des Moines, Iowa	*** Colton Duane Senter	Santa Maria, Calif.
** Olivia Rae Heinen	Cedar Falls, Iowa	*** Brooklyn Breyer Symber	Johnston, Iowa
* Molly Jonelle Hensing	Cedar Falls, Iowa	* Rachel Lynn Tegeler	Bondurant, Iowa
Tanner James Higgins	Arcadia, Iowa	** Melyonnie Thongsouk-Thath	Webster City, Iowa
* Adyson Nicole Hook	Garner, Iowa	Vanessa Gabrielle Torres	Wheeling, Ill.
* Ashley Rose Hunter	Bayard, Iowa	Alexis Elaine Sue Traster	Webster City, Iowa

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Sarah Marie Vaith	Mason City, Iowa	Hope LyDonna Wilderman	Panora, Iowa
** Ashley Lynn Vanderheiden	Wheatland, Iowa		

Curriculum in Event Management

Cassandra Ann Albers	Eden Prairie, Minn.	* Kaitlee Mae Krumm	Iowa Falls, Iowa
Nicholas Jon Barber	Stronghurst, Ill.	Brea Nicole McNeil	Fort Dodge, Iowa
** Skylar Ivy Bundridge	Maryville, Mo.	* Nicole Marie Meyer	Sheldon, Iowa
*** Jia Wen Gan	Malacca, Malaysia	** Samantha Nunez	Urbandale, Iowa
Emilie Grace Guerra	Peoria, Ariz.	Jenny T. Pham	Des Moines, Iowa
**† Kristen Lou Heimgartner	Le Mars, Iowa	Gennavieve Noel Pieper	Marion, Iowa
Mckenna Coy Iles	Perry, Iowa	Bryn Riley Rasner	Plainfield, Ill.
Kisten Kate Inness	Round Rock, Tex.	* Heidi Marie Reimers	Denison, Iowa
** Madison Ann Kaufman	West Des Moines, Iowa	Savannah Grace Riley	Longview, Tex.
** Anne Caroline Koehler	Basco, Ill.	Nicole Paige Wendel	Riverside, Mo.

Curriculum in Family and Consumer Sciences Education and Studies

* Bradee Rhae Bouman	Sergeant Bluff, Iowa	Katy Lynn Pratt	Remsen, Iowa
Hannah Renee Johnson	Waverly, Iowa		

Curriculum in Financial Counseling and Planning

*** Reece Kyle Nielsen	Kirkman, Iowa	Jackson Robert Tucker	St. Louis, Mo.
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Curriculum in Hospitality Management

Ally Elizabeth Allen	Ballwin, Mo.	** Chui Pin Su	Subang Jaya, Malaysia
Ismael Del Rosario			
Mateo	Santo Domingo, Dominican Republic		

Curriculum in Human Development and Family Studies

* Toni R. Alesch	Graettinger, Iowa	* Brooke Joy Gehrke	Grimes, Iowa
Alyssa Taylor Blackbear	Rosebud, S. Dak.	Taryn Noelle Johnston	Story City, Iowa
McKenzie Kaye Crail	Eagle Grove, Iowa	* Marisa K. Mapes	Urbandale, Iowa
Bernadette Mary Dadds	Peoria, Ill.	† Eden Mariah Montang	Boone, IA
Sarahi Espinoza Chavez	Des Moines, Iowa	Silina S. O'Neill-Vaughn	Charles City, Iowa
** Joemari Felarca	Norwalk, Iowa		

Curriculum in Kinesiology and Health

Mamdouh Ahmed Abdalla	Cedar Rapids, Iowa	Carson Joshua Hartnett	Webster City, Iowa
** Kenady E. Adams	Windsor, Colo.	Maggie Lynn Hendryx	Omaha, Neb.
Elliot Joseph Arensdorf	De Witt, Iowa	** Karlee Jean Hunter	Glidden, Iowa
Macy Danielle Armantrout	Pleasant Hill, Iowa	** Naja Ann Jones	Russell, Iowa
Faith M. Babb-Sandison	Sioux City, Iowa	Austin Gregory Kavanagh	Sheldon, Iowa
** Sean Michael Blum	Bartlett, Ill.	Autumn Nichole Keleture	West Des Moines, Iowa
**† Jacob Patrick Brown	Sioux City, Iowa	* Andrew Christopher Kelly	Waukee, Iowa
Denisse Chavez	Perry, Iowa	Colby Scott Kuhl	Fairmont, Minn.
Anthony Josef Chiattello	Cedar Falls, Iowa	Gisselle Landa	Dyersville, Iowa
*** Layne Kristine Collum	West Des Moines, Iowa	****† Katelyn Mary Langel	Le Mars, Iowa
* Jacob Ryan Cort	Pleasant Hill, Iowa	*** Adalyn Grace LaHue	Pella, Iowa
Katelyn Marie Crawford	Manning, Iowa	* Cesar Andres Mendoza	Naperville, Ill.
** Asa James Davies	Pleasant Hill, Iowa	** Ella Clare Meyer	Dow City, Iowa
* Harrison East	Sloan, Iowa	* Jaelyn Marie Mulligan	Eldridge, Iowa
Hunter William Edwards	Bloomington, Minn.	* Siddharth Udayraj Nair	Lincolnshire, Ill.
** Joseph Daniel Ellsworth	Spencer, Iowa	Nathan Scott Nielson	Evansdale, Iowa
* Julia Leigh Feldmann	Spencer, Iowa	Miranda Ogbourne	Indianola, Iowa
Elizabeth Maria Flores	Des Moines, Iowa	Wachie Altowan Peters	West Des Moines, Iowa
Mason William Gehring	New Brighton, Minn.	Evan Christine Pflughaupt	West Des Moines, Iowa
* Michael Christopher Hart	Ames, Iowa	Colby Alan Ridgley	De Witt, Iowa

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

Kayla Diane Ruff	Rockford, Ill.	Ethan Robert Torkelson	Huxley, Iowa
*** Drew Allen Schurke	Arcadia, Iowa	Aidan Robert Tunney	Ankeny, Iowa
Jacob William Sehnert	Lafayette, Colo.	*** Rachel Nicole Vander Hart	Urbandale, Iowa
Kate Lee Shannon	Waterloo, Iowa	Tate Matthew Weaver	Palo, Iowa
** Ryan Thomas Strickland	Pleasant Hill, Iowa	** Mariah Dawn White	Winterset, Iowa
Allison Marie Swanson	Boone, Iowa	Savannah Suzanne Wiltse	Oskaloosa, Iowa
Thurston Alan Taets	Osage, Iowa	* Katherine Jo Wise	Avoca, Iowa

Curriculum in Nutritional Science

Rachel Nicole Bryan Ames, Iowa

Multiple Curricula and Majors

Brandon Albert Caligiuri	Oskaloosa, Iowa	** Kendall Kathleen Seiler	West Des Moines, Iowa
Event Management and Hospitality Management		Human Development and Family Studies and Liberal Arts and Sciences: Major in Psychology	
** Elizabeth Evelyn Day	West Des Moines, Iowa	** Madeline Grace Shafer	Victoria, Minn.
Apparel, Merchandising, and Design and Business: Major in Marketing		Elementary Education and Liberal Arts and Sciences: Major in World Languages and Cultures (Spanish)	
*** Lindsey Emma Haugen	St. Charles, Ill.		
Elementary Education and Liberal Arts and Sciences: Major in World Languages and Cultures (Spanish)			

BACHELOR OF SCIENCE IN NURSING

Curriculum in Nursing

** Katie Lee West Des Moines, Iowa

* 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

** Sarah Elizabeth Collison	Rowley, Iowa	Hailee Ann Michel	Sleepy Hollow, Ill.
Gabrielle A. Gramentz	Eden Prairie, Minn.	Mikala J. Niemeier	Walker, Iowa
Beulah Kyauta Kure	Abuja, Nigeria	Abbey E. Van Wyngarden	Clive, Iowa
** Calysta Ann Longnecker	Clive, Iowa		

Major in Chemistry

Kalieb Mathew Gillespie	Nevada, Iowa	Jared Ryker Mangels	Davenport, Iowa
Carolyn Michele Lake	Downers Grove, Ill.		

Major in Communication Studies

Haley Nicole Baldus	Ankeny, Iowa	Jayden Ashley McKeague	Huntington Beach, Calif.
Abigail Cullen	Arlington Heights, Ill.	Nolan Thomas Neilson	Champlin, Minn.
* Alexandra Grace Determan	Sioux City, Iowa	** Haylee C. Rathbone	Ames, Iowa
Trenten Jeffrey Finders	Marshalltown, Iowa	* Erica Ann Rinehart	Pleasant Hill, Iowa
Eleanor Joyce Holthaus	Cold Spring, Minn.	Logan Schumacher	Prole, Iowa
Anthony C. Johnson Jr.	St. Petersburg, Fla.	** Madalyn Sue Sebastian	Urbandale, Iowa
* Emma Carney Klapperich	Osage, Iowa	Lincoln B. Sullivan	Carlisle, Iowa
Dylan John Kleinwolterink	Ames, Iowa		

Major in Criminal Justice

Salem Saeed S. M. Alameri	Alain, United Arab Emirates	Kevin Charles McCann	Eden Prairie, Minn.
Mohammed A. Alefari	McLean, Va.	Noah Steven McMullen	Urbandale, Iowa
Mohammed Ahmed S. Alefari	McLean, Va.	Madelyn Nicole Meyer	Huxley, Iowa
Abby Marie Boes	Breda, Iowa	Elyse Tehya Montang	Boone, Iowa
Jeannie Rose Boro	Fort Dodge, Iowa	Morgan Lee-Ann Shipley	New Holland, Ohio
Hope Charity Bos	Des Moines, Iowa	* Taylor M. Stackhouse	Omaha, Neb.
Jack Frederick German	Burnsville, Minn.	* Sydney Charlotte Williams	Bartonville, Ill.
*** Karley Marie Janecke	Williamston, Mich.	Gracie Kathryn Wright	Alexandria, Ky.
** Casey Keller	Ankeny, Iowa	* Trevor Vaughn Wright	Ames, Iowa

Major in English

*** Caleb Benjamin Burdsall	Little Rock, Iowa	** Jihyun Han	Yongin-si, South Korea
Phillip James V. Clearman	Des Moines, Iowa	Lawrence Anthony Merritt	College Park, Ga.
Katie Glenn	Des Moines, Iowa	* Hannah Christine Patton	Story City, Iowa

Major in Liberal Studies

Jacob Conrad Richter	Palatine, Ill.
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Major in Linguistics

Lucas Jeffrey Carlisle	Urbandale, Iowa	** Dominique Lee Miles-Novelo	Des Moines, Iowa
* Nhi Yen Handa	Ho Chi Minh City, Vietnam	Riley Ellen Olson	Ankeny, Iowa

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

Major in Performing Arts

Shannon Jean Garrels

Bloomfield, Iowa

Morgan Laney Reetz

Slater, Iowa

Major in Political Science

Collin M. Arndt

Clive, Iowa

Geoffrey Daniel Purcell

West Des Moines, Iowa

Devon Kay Bomer

Glenwood, Iowa

** Nicole L. Schmitt

Holy Cross, Iowa

Alexander Daniel Fisher

Collins, Iowa

Ethan Anthony Scrima

Naperville, Ill.

*** Nathaniel Isaac Harwood

Cedar Falls, Iowa

Hayley Elisabeth Senne

Iowa Falls, Iowa

Trevor Scott Henry

Long Grove, Iowa

Thomas John Stonehouse

White Bear Lake, Minn.

Mason Charles Porter

Boone, Iowa

Ian Benjamin Vasina

Pella, Iowa

Major in Psychology

Jolia Alier Agok

Des Moines, Iowa

Eleanor Joyce Holthaus

Cold Spring, Minn.

Joevani Manuel Alcantar

South Elgin, Ill.

Itzel Hueso

Marshalltown, Iowa

* Megan Marie Ames

Saint Paul, Minn.

*** Cheyann E. Marshall

Dunlap, Iowa

*** Maria Theresa Austin

Long Grove, Ill.

*** Kobe Joseph Jon Negrete

Belmond, Iowa

Taryn Michele Carey

Windsor Heights, Iowa

David Ollie

Ankeny, Iowa

*** Lukas R. DeHaan

De Witt, Iowa

Alina Mercedes Pagan

Chicago, Ill.

Maria Guadalupe Duran Sanchez

Davenport, Iowa

Kia Kiene Peterson

Urbandale, Iowa

* Anna Grace Ellefson

Spirit Lake, Iowa

Figueroa Regenwether

Clinton, Iowa

** Sophia Noel Francom

Ames, Iowa

*** Sydney Lynn Rippin

Urbandale, Iowa

Jack Frederick German

Burnsville, Minn.

* Georgia Grace Schnepf

Snoqualmie, Wash.

Sabrina Lynn Hendrix

Nebraska City, Neb.

* Sierra Marie Stanek

Sioux City, Iowa

Luz Maria Hernandez

Des Moines, Iowa

Hollie Michaela Wilson

Altoona, Iowa

Breanna Christine Hill

Stronghurst, Ill.

Major in Sociology

*** Olivia Adrienne Butt

Iowa Falls, Iowa

Major in Women's and Gender Studies

Jillian Mae Bolton

Iowa City, Iowa

Major in World Languages and Cultures (Spanish)

***† Jackson Thomas Komp

Suamico, Wis.

Alexander Vazquez

McLean, Va.

* Kennedy Raye Varisco

Altoona, Iowa

Multiple Curricula and Majors

*** Casey Jo Campbell

Des Moines, Iowa

Kayla Kristine Holland

Perry, Iowa

English and Environmental Studies

English and Education

** Gwenyth T. Davis

Bellevue, Iowa

** Henlee Max Hull

Grimes, Iowa

English and Technical Communication

Linguistics and International Studies

Emily R. Draper

Ames, Iowa

* Adam G. Jackson

Windsor Heights, Iowa

English and Education

English and Education

** Will Epping

Atkins, Iowa

* Olivia J. Nelson

Naperville, Ill.

Philosophy and History

Criminal Justice and Psychology

Sadie Jo Ruby Etzel

Clive, Iowa

Jack Edward Nichols

Des Moines, Iowa

Music and Business: Major in Finance

Political Science and Speech Communication

* David Lucas Hammond

Polo, Ill.

Ryan Nicholas Overton

Ames, Iowa

Psychology and Criminal Justice

English and Education

** Kendra Leigh Herring

Arlington Heights, Ill.

** Alexandra E. Ramer

Ankeny, Iowa

Philosophy and Political Science

English and Education

* Cum Laude

*** Summa Cum Laude

** Magna Cum Laude

† Honors Program

*** Riley Jane Raney *Carson, Iowa*
English and Technical Communication

* Padyn Lyn Reep *Harlan, Iowa*
English and Education

Lejla Salihagic *Urbandale, Iowa*
Criminal Justice and Sociology

** Cassandra Rae Smith *Cedar Rapids, Iowa*
Criminal Justice and International Studies

** Daunte T. Thompson *Ames, Iowa*
Political Science and Community and Regional
Planning

* Kennedy Raye Varisco *Altoona, Iowa*
English and Education

Faith M. Venenga *Lisbon, Iowa*
English and Education

Kate Elaine Wright *Denison, Iowa*
Criminal Justice and English

Multiple Curricula and Majors

Xavier Michael Chasar *West Des Moines, Iowa*
World Languages and Cultures (German) and
Business: Major in Finance

Finian Ryan Kannegiesser *Wheaton, Ill.*
World Languages and Cultures (German) and
Education

BACHELOR OF LIBERAL STUDIES

Major in Liberal Studies

* Caleb Mark Devick *Ames, Iowa*
Sean Robert Doherty *Arlington Heights, Ill.*
Erin Nicole Failor *Altoona, Iowa*
Noah Phillip Goedken *Waterloo, Iowa*

** Britlyn Rene Greenlee *Rockford, Ill.*
Deshawn Lemont Hanika *Topeka, Kans.*

* Matthew Bruce Hill *Cylinder, Iowa*
Sydney Lynn Hook *Newton, Iowa*
Orion C. Hunter *Woodbury, Minn.*

Marvin Otis King III *Lexington, Ky.*
Isaiah Lee *Forest Park, Ill.*
Wilburt Charles McDonald IV *Milwaukee, Wis.*
Jacob Cozad McKinney *Ankeny, Iowa*
Peter M. Nessa *Iowa City, Iowa*
Gregory Michael Paul *Boone, Iowa*
Jacob Schoenrock *Ames, Iowa*
Logan Joseph Steelman *Iowa Falls, Iowa*

** Ashley Ann Tibbs *Waukeec, Iowa*

BACHELOR OF MUSIC

Major in Music

*** Keegan Allan Dorr *Polk City, Iowa*

Major in Data Science

Nicholas Alexander Cory
Muhammad Nabil Arif
Idris

Ankeny, Iowa

Kuala Lumpur, Malaysia

Joel Alexander Martin
*** Charles Feng Yang

Norwalk, Iowa
Des Moines, Iowa

Major in Earth Science

Annabel Lee Tepoel

Solon, Iowa

Major in Economics

Zachary Ray Lenhart
Obed Micomyiza
Heather Marie Moore

Storm Lake, Iowa
Cedar Rapids, Iowa
Bellevue, Neb.

Ethan Joseph Opitz
* Ibrahim Murat Oztok
Kyle Austin Schallau

Manchester, Iowa
Istanbul, Turkey
Le Mars, Iowa

Major in Environmental Science

Dylan Patrick Hopkins
****† Kyra Marie Oberbroeckling
** Anna Marie Schacher

New Hampton, N.Y.
Kingwood, Tex.
Ames, Iowa

****† Jennifer Boock Seth
Zachary Tyler Stocking

Coffeen, Ill.
Warrenville, Ill.

Major in Genetics

Taylor Elise Beyer
Teancum Joseph Arno Cofer
Valeria Maria Cruz

Pleasant Hill, Iowa
Seguin, Tex.
Des Moines, Iowa

** Lilyahna Esperance Kowal
** Ana Palacios Martin
Sarah Danielle Velazquez

Des Moines, Iowa
Castellar del Vallès, Spain
Ames, Iowa

Major in Geology

*** Nathan W. Coon
Thomas Andrew Getz

Clive, Iowa
Bloomington, Ind.

Matthew Joseph Roth

Joliet, Ill.

Major in History

Jonathan D. Gonzales
Caleb Michael Grill

Des Moines, Iowa
Maize, Kans.

* Riley Christian Peters
Aaron Lee Venenga

Pella, Iowa
Lisbon, Iowa

Major in Journalism and Mass Communication

Diana Binti Habimana
Emma Carol Jensen
Carlos Eduardo Materon Botelho

Cedar Rapids, Iowa
Huxley, Iowa
São Paulo, Brazil

Nicholas Ryan Nading
Alexis Lynn Russell

Cedar Rapids, Iowa
Des Moines, Iowa

Major in Mathematics

Shuairan Chen
Yihong Chen

Jinan, China
Chongqing, China

Amanda Marie Stougaard
Lillian Ryan Uhl

Des Moines, Iowa
Sioux City, Iowa

Major in Meteorology

****† Jennifer Boock Seth

Coffeen, Ill.

Major in Physics

James Kyle Chauvin
Paige Rae Leeseberg

Blue Springs, Mo.
Park Rapids, Minn.

Thomas K. Walsh
** Sadie G. Welter

Elk Grove Village, Ill.
Exira, Iowa

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Major in Psychology

Madison Elisabeth Berns	Winterset, Iowa	Christina N. Longoria	Jasper, Tex.
Cameron Lee Brenner	Mapleton, Iowa	*** Hui Vern Low	Petaling Jaya, Malaysia
Michael-Angelo Calito	Des Moines, Iowa	** Anthony John Maenner	Batavia, Ill.
** Zoe Clare Carter	Urbandale, Iowa	*** Alex William Melville	Sioux City, Iowa
* Jada Draine	Waterloo, Iowa	Brendan James Myers	Cumming, Iowa
*** Cheyenne Lee Fisher	Pacific Junction, Iowa	* Elizabeth Ashley Neal	Carroll, Iowa
Liliana Galvan Aquino	Des Moines, Iowa	Felister Atieno Odhiambo	Iowa City, Iowa
*** Natalia Elizabeth Gamboa	Hudson, Wis.	Elizabeth Ann Promes	Carroll, Iowa
Tori Lee Gardner	Austin, Minn.	Mariah Ryan	Waukee, Iowa
Sydney Lynn Gatlin	Ramsey, Minn.	Gabrielle V. Santucci	Aurora, Ill.
Jessica Fay Hathaway	Des Moines, Iowa	** Nicole L. Schmitt	Holy Cross, Iowa
Aubrie Denise Hird	Marion, Iowa	Dana Claire Shapiro	Grimes, Iowa
Kaitlyn Hoeft	Homer, Alaska	Simon C. Sheppard	Elgin, Ill.
Cory James Hultgren	Mound, Minn.	Aubrey M. VanderBeek	Waukee, Iowa
** Bennett Joseph Lee	Yukon, Okla.	** Jordyn Alyssa Zahner	Sergeant Bluff, Iowa
** Suzanne Lobodiak	Iowa City, Iowa		

Major in Public Relations

* Brooklin Elizabeth Border	Fort Dodge, Iowa	* Josie Pautzke	New Ulm, Minn.
* Julia De Braganca Peixoto	Rio de Janeiro, Brazil	Sydney Lorraine Ryckaert	Taylor Ridge, Ill.
Elizabeth Francis	Burlington, Iowa	Gerry Javion Vaughn	Atlanta, Ga.
** Emma Grace McDowell	Delhi, Iowa	Morgan Marie Wilber	Sioux Center, Iowa
Julie Amy Nagel	Ames, Iowa	*** Millicent Jo Wilgenbusch	Dubuque, Iowa
** Vanyon Ong	Cheras, Malaysia		

Major in Statistics

Matthew D. Hoferitza	Des Plaines, Ill.	** Harry Otto Zimmermann	Minneapolis, Minn.
Alexander Fisher Schell	Kansas City, Mo.		

Major in Technical Communication

Nicholas Colby Johnson	Ankeny, Iowa	Chance T. Vu	Sioux City, Iowa
** Sydney Cecilia Peterson	West Des Moines, Iowa		

Multiple Curricula and Majors

* Quinn Michael Baker	North Liberty, Iowa	Shane Thomas Crawford	Indianola, Iowa
Economics and Business: Major in Finance		History and Education	
*** Emily Nicole Bettey	Scranton, Iowa	*** Kara Lynn Dieke	West Des Moines, Iowa
Anthropology and History		Economics and Political Science	
** Grace Mary Buckley	Glen Ellyn, Ill.	Sydney Elaine Eiselt	Stillwater, Minn.
History and Education		Biology and Environmental Science	
** Makenna Elisabeth Burdock	Washington, Iowa	Tian Fan	Wuhan, China
History and Education		Statistics and Mathematics	
Yangfan Cai	Guangzhou, China	* Ada Hulseberg	Wellman, Iowa
Data Science and Statistics		Mathematics and World Languages and Cultures (Spanish)	
Shuairan Chen	Jinan, China	* Marin Ruth McDonough	Spirit Lake, Iowa
Computer Science and Psychology		Psychology and Linguistics	
Zachary R. Chopard	Boone, Iowa	Cody J. Nielsen	Prior Lake, Minn.
Mathematics and Philosophy		Computer Science and Data Science	
Lance Nicholas Cordts	Bettendorf, Iowa		
Computer Science and Mathematics			

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

** Cooper J. Pierce	Grimes, Iowa	* Jakub Tomczyk	Ames, Iowa
Journalism and Mass Communication and Political Science		Statistics and Economics	
Sarah Ellen Rice	Iowa City, Iowa	** Mallory Marie Tope	Davenport, Iowa
Environmental Science and Chemistry		Journalism and Mass Communication and Political Science	
** Josie Rich	Marion, Iowa	** Jarhett S. VanEngelenhoven	Ottumwa, Iowa
Mathematics and Education		Mathematics and Education	
Noah Patrick Sabers	Dubuque, Iowa	** Hailey Marie Wilcox	Geneva, Ill.
Physics and Mathematics		Mathematics and Education	
Vikrant Ajay Sant	Vadodara, India	* Edward Anthony Wilson	Coralville, Iowa
Statistics and Economics		Computer Science and Mathematics	
** Garret P. Severseike	Ankeny, Iowa	Mckenzie S. Wright	Carlisle, Iowa
History and Education		History and Education	
Shane Donald Starcevich	Altoona, Iowa	*** Morrigan Zmolek	Jefferson, Iowa
History and Education		Journalism and Mass Communication and English	

CANDIDATES FOR COMMISSION

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

United States Air Force

Karsten A. Lambert
Bronson Lincoln Rodgers

United States Army

Elyse Tehya Montang
Robert Phillips
Morgan Lee-Ann Shipley

United States Marine Corps

Asa James Davies

United States Navy

Vaughn Ferrin Allen
Samuel Wesley Barton
Hunter Scott Carey
Wyatt Douglas Ebner
Ethan Jerome Geer
Delaney Michelle Keaveny
Samuel Joseph Wentz

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 2022-2023 Senior Class Council is comprised of students who are dedicated to recognizing seniors for their many achievements.

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

a gift set that included commemorative Iowa State items; 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.

2022-2023 Senior Class Council Leadership



President:
Emma Geneser



Vice President:
Ashley Schildroth

Council Members:



Blair Bell



Dawson Brader



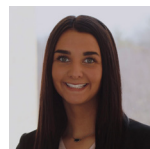
Emma Sinclair



Gracie Greiner



Gretchen Ternus



Hannah Sand



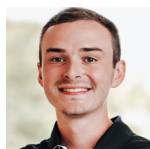
Jacob Stenzel



Kathryn Burns



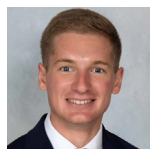
Kyle John Lois



Michael
DeDecker



Mikayla Klein



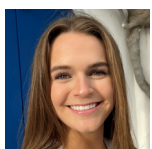
Nathan
Behrends



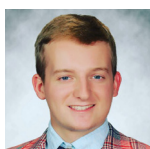
Peri Dodd



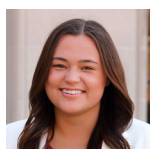
Qwynn Watts



Shannon
Dougherty



Tate Boysen



Taylor Lekin

IOWA STATE UNIVERSITY ALUMNI ASSOCIATION

Cyclones Everywhere

Iowa State University alumni are more than 279,000 strong. And they are everywhere ... in all 50 states and 153 countries – a family united by the Cardinal and 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 (429 Alumni Ln.) on your way to central campus; better yet, park at the Center and ride CyRide!
3. Take advantage of the Association's career services like resume reviews and webinars.
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 2022

Official List of Degree Recipients
Conferred August 6, 2022

DEGREE RECIPIENTS FROM THE GRADUATE COLLEGE

DOCTOR OF EDUCATION

Major in Education (Community College Leadership)

§ Andrew James Neuendorf
DISSERTATION: Assessment as sensemaking:
Community college faculty chair perspectives

DOCTOR OF PHILOSOPHY

Major in Aerospace Engineering

§ Shujaut Hussain Bader *Bijbehara, India*
DISSERTATION: Subgrid and hybrid RANS/LES
models for scalar transport and boundary layer
transition

†† Jianglei Yin *Changzhou, China*
DISSERTATION: Time-accurate pressure-based
algorithms for flow over stationary and moving
bodies

†† Nianhong Han *Lanzhou, China*
DISSERTATION: Experimental investigations on
the propeller performances of Unmanned-Aerial-
Vehicles

Major in Agricultural Education (Agricultural Extension Education)

Samuel Ikendi *Kamuli, Uganda*
DISSERTATION: Exploring changes in academics,
skills, and intercultural competence development
of global service-learning students

Major in Analytical Chemistry

Muhammad Qamar Farooq *Sargodha, Pakistan*
DISSERTATION: Developing novel magnetic ionic
liquids and deep eutectic solvents, evaluating
their solvation interactions, and utilizing them in
microextractions

†† Nicole Marie Stephens *Syracuse, N.Y.*
DISSERTATION: Application of advanced optical
microscopy to the investigation of ionic liquids
and deep eutectic solvents

Kira Lynn Rahn *Plymouth, Minn.*
DISSERTATION: Development of electrochemical
and electrokinetic methods to improve the
sensitivity of diagnostic devices: 1) Periodic
voltammetry on bipolar electrodes and 2)
Electrokinetic enrichment in lateral flow assays

Major in Apparel, Merchandising, and Design

†† Bingyue Wei *Allen, Tex.*
DISSERTATION: Utilizing the apparel design
collection to represent qualitative study findings:
Understanding female Chinese/Chinese American
fashion and textile designer's appearance
management experience with their creativity

Major in Applied Linguistics and Technology

Afnan Fattany *Riyadh, Saudi Arabia*
DISSERTATION: Understanding the discourse of synchronous virtual English language college classrooms in Saudi Arabia

†† Yasin Karatay *Duzce, Turkey*
DISSERTATION: Development and validation of spoken dialog system-based oral communication tasks in an ESP context

Major in Applied Mathematics

Manas Bhatnagar *Kanpur, India*
DISSERTATION: Analysis of critical threshold phenomena in hyperbolic balance laws
Jay Perritt Mayfield Jr. *Paragould, Ark.*
DISSERTATION: Green's Function Methods: Some developments and applications

Samuel Quincy Van Fleet *Saint Paul, Minn.*
DISSERTATION: Genuinely multi-dimensional, maximum Taylor discontinuous Galerkin schemes for solving linear hyperbolic systems of conservation laws

Bowen Xie *Anshan, China*
DISSERTATION: Topics of queueing theory in heavy traffic

Major in Biochemistry

Daniel Alexander Kramer *St. Cloud, Minn.*
DISSERTATION: Biochemical mechanisms by which neuronal proteins control actin assembly and dendrite branching

Shravanti Krishna Suresh *Chennai, India*
DISSERTATION: Cas4 and host exonucleases such as DinG facilitate adaptation in type I-C CRISPR-Cas systems

Major in Bioinformatics and Computational Biology

†† Priyanka Bhandary *Mangalore, India*
DISSERTATION: Employing predictive techniques and expression based information to functionally characterize orphan genes in Arabidopsis thaliana

§ Ambuj Kumar *Munger, India*
DISSERTATION: New computational methods to study the relationship between protein structure and function

Major in Biomedical Sciences (Cell Biology)

§ Hannah Jean Loghry *Urbandale, Iowa*
DISSERTATION: Filarial nematode extracellular vesicles and the host-parasite interface

Major in Business and Technology (Finance)

†† Lezgin Ay *Ames, Iowa*
DISSERTATION: Market efficiency, margin requirements, and risk-taking

§ Danni Tu *Murfreesboro, Tenn.*
DISSERTATION: Three papers in corporate finance

Major in Business and Technology (Management)

Cyriac Pattathil Joy *Bangalore, India*
DISSERTATION: Identifying high potential employees using the components-based approach and its impact on career progression and voluntary turnover

HeyIn Gang *Ames, Iowa*
DISSERTATION: Four studies on gender and leadership

†† Sung Mo Kang *Daejeon, South Korea*
DISSERTATION: Sending signals: The effect of voice endorsement disparity on team effectiveness

Major in Business and Technology (Management Information Systems)

Siddharth Baswani *New Delhi, India*
DISSERTATION: Consumer technology adoption in the digital economy: An exploration of factors shaping behavioral intentions towards three key digital objects

Chinju Paul *Kerala, India*
DISSERTATION: The dark side of information systems use: Three essays

Major in Business and Technology (Marketing)

§ Pushpinder Gill *Nabha, India*
DISSERTATION: Franchising and organizational learning

Preetinder Kaur *Nabha, India*
DISSERTATION: An examination of the Growth Manager's role in influencing growth and persistent growth of firms

†† Heather J. Patterson *Laramie, Wyo.*
DISSERTATION: Constraints within the consumer behavior context

Major in Chemical Engineering

†† Hamed Bateni *Esfahan, Iran*
DISSERTATION: Tailoring metal-carbon support interactions for the selective hydrogenation of multifunctional chemicals

†† Prerana Carter *Mumbai, India*
DISSERTATION: Bio-advantaged polyamides from muconic acid

§ Hyeong Jin Kim *Jeju, South Korea*
DISSERTATION: Self-assembly and crystallization of nanomaterials in two and three dimensions

Ting-Han Lee *Taichung, Taiwan*
DISSERTATION: The developments and characterizations of polyester with built-in properties from bio-based comonomers

Hsi-Hsin Lin *Taipei, Taiwan*
DISSERTATION: Using chemical catalysis to select and diversify biological-derived intermediates

†† § Deon Saffran Ploessl *Dubuque, Iowa*
DISSERTATION: Developing nuclear and mitochondrial DNA editing techniques for engineering yeasts as novel microbial factories and disease models

Alma M. Vela Ramirez *Matamoros, Mexico*
DISSERTATION: Synthesis and fabrication of nanostructured materials and surfaces

Tung-ping Wang *Taipei, Taiwan*
DISSERTATION: Additive manufacturing of thermosetting polymer nanocomposites

Major in Chemistry

†† Gourab Bhaskar *Nalhati, India*
DISSERTATION: Unconventional synthesis of novel borides: Interplay between crystal structures, magnetic and catalytic properties

Eranga Hansawarni Gamage *Colombo, Sri Lanka*
DISSERTATION: Solvothermal synthesis and characterization of magnetic hybrid transition metal-chalcogenide frameworks

†† Ding Yuan *Zhengzhou, China*
DISSERTATION: Synthesis, structure-photoreactivity relationships, and multiwavelength control of BODIPY photocages

Major in Civil Engineering (Civil Engineering Materials)

§ Kwangwoo Wi *Gwangju, South Korea*
DISSERTATION: Development of mix design and evaluation methodology for 3D printing concrete

Major in Civil Engineering (Environmental Engineering)

Ahmad J. Alzubaidi *Amman, Jordan*
DISSERTATION: Pervious concrete: Improved hydraulic conductivity models, measurement methods, and mix design optimization

Major in Civil Engineering (Intelligent Infrastructure Engineering)

§ Rohit Ghosh *Kolkata, India*
DISSERTATION: Improving vision-based automated pavement condition data acquisition and assessment through deep learning and data-driven techniques

Major in Civil Engineering (Structural Engineering)

Seyedamin Mousavi *Urmia, Iran*
DISSERTATION: Deep bridge foundation design:
Optimization, improved capacity estimation, and
material selection

§ Li-Wei Tsai *Taichung, Taiwan*
DISSERTATION: An integrated analytical,
experimental, and field investigation approach for
fatigue life assessment of traffic signal structures
and high-mast luminaires

Major in Civil Engineering (Transportation Engineering)

§ Ahmed J. M. Albughdadi *Gaza City, Palestine*
DISSERTATION: Advanced decision support tools
for bridge asset management

Major in Computer Engineering (Computing and Networking Systems)

Joshua Richard Bertram *Sykesville, Md.*
DISSERTATION: Applying FastMDP to complex
aerospace-related problems

Varghese Mathew Vaidyan *Kozhikode, India*
DISSERTATION: Electromagnetic spectral domain
technique for failure analysis of control system
processors on the internet of things

Major in Computer Engineering (Secure and Reliable Computing)

Moataz Abdelkhalek *Tanta, Egypt*
DISSERTATION: Cybersecurity situational
awareness and moving target defense for DER
networks in smart grid

Major in Computer Engineering (Software Systems)

†† § Ashraf Tahmasbi *Boldaji, Iran*
DISSERTATION: Adaptive strategies for models over
data, structures and queries in streaming settings

Major in Computer Science

Amulya Gupta *Hardwar, India*
DISSERTATION: A deep learning odyssey on
structured natural language processing

†† Andrei Nikolai Migunov *Riga, Latvia*
DISSERTATION: Randomness and dimension in
computational learning and analog computation

§ Rangeet Pan *Chandannagar, India*
DISSERTATION: Decomposing deep learning
models into modules

Madhavan Rajagopal Padmanabhan *Chennai, India*
DISSERTATION: Constrained submodular
optimization and applications in information
diffusion

Ye Tian *Suzhou, China*
DISSERTATION: Trip-vehicle matching and vehicle
routing optimization for ride-sharing

Chen-Yeou Yu *Taipei, Taiwan*
DISSERTATION: An edge-based situ-aware
framework for energy-efficient 5G vehicular
networks and traffic congestion mitigation

†† Menglu Yu *Ningbo, China*
DISSERTATION: Low-latency computing network
resource scheduling and allocation algorithms for
deep learning jobs

Major in Condensed Matter Physics

†† Di Cheng *Chongqing, China*
DISSERTATION: Advanced spectroscopic studies of
complex materials

Major in Ecology and Evolutionary Biology

Wade Dismukes *St. Peters, Mo.*
DISSERTATION: Exploring model-based approaches
for simulating and analyzing cophylogenetic data

†† Ann Marie Gawel *Piti, Guam*
DISSERTATION: The ecological and human value of
island novel ecosystems

Major in Economics

Nieyan Cheng *Chongqing, China*

DISSERTATION: Three essays on agri-environmental policy and hazardous materials

Md Javed Hossain *Dhaka, Bangladesh*

DISSERTATION: Three essays on international economics

†† Min Kyong Kim *Seoul, South Korea*

DISSERTATION: Three essays in health economics

Jiwon Lee *Seoul, South Korea*

DISSERTATION: Stated preferences on foreign animal disease outbreaks and prevention measures

†† Jun Yeong Lee *Seoul, South Korea*

DISSERTATION: Three essays on information and contracts

Major in Education

Riley Danielle Drake *Ames, Iowa*

DISSERTATION: The purpose is process: Exploring humanizing social emotional praxes in elementary education

Major in Education (Educational Leadership)

Elizabeth Jessica Griesel *Urbandale, Iowa*

DISSERTATION: School leaders' perceptions of their support for culturally relevant literacy pedagogy in an urban elementary school

Major in Electrical Engineering (Communications and Signal Processing)

Koushik Nagasubramanian *Bangalore, India*

DISSERTATION: Plant phenotyping with limited annotation: Doing more with less

Major in Electrical Engineering (Electrical Power and Energy Systems)

Burhan Hyder *Srinagar, India*

DISSERTATION: Cyber risk assessment and investment optimization using game theory and ML-based anomaly detection and mitigation for wide-area control in smart grids

§ Pranav Sharma *Gulabpura, India*

DISSERTATION: Koopman operator based data-driven characterization and control of power system dynamics and stability

Major in Electrical Engineering (Very Large Scale Integrations)

Praise Ololade Farayola *Ibadan, Nigeria*

DISSERTATION: Cost-efficient solutions to detect and mitigate site-to-site variation in massive multisite (parallel) testing

Major in Environmental Science

§ Laura Marie Alt *Nevada, Iowa*

DISSERTATION: Evaluation of prairie strips to mitigate the dissemination of antibiotic resistance contaminants from agroecosystems to the environment

§ Peiyu Cao *Panzhihua, China*

DISSERTATION: Tracking agricultural nitrogen fertilizer use and nitrogen loss pathways across scales through data synthesis and modeling approach

Wenjuan Yu *Shanghai, China*

DISSERTATION: Controls over soil organic carbon concentration, physical fractions, and decomposition at the continental scale

Major in Food Science and Technology

Abigail Phillips Boyd *Wilmette, Ill.*
DISSERTATION: Improvement of standardized in vitro digestion models for bioaccessibility analysis of phytosterols

Bridget Jillian Perry *Lake Park, Ga.*
DISSERTATION: Assessing produce safety rule knowledge, behavior change, compliance, and the development of resources of specialty crop produce growers in the US: North Central Region, Alabama, Georgia

Shalini Hemesha Wijeratne *Long Beach, Calif.*
DISSERTATION: Development of sensitive reporter phage systems for detection of bacteria

Major in Genetics and Genomics

§ **Jing Li** *Guilin, China*
DISSERTATION: Annotating and characterizing orphan gene in *Zea mays* via diverse RNA-Seq data

Timothy Joseph Nessel *Ivyland, Pa.*
DISSERTATION: Identification of novel factors important for the organization and function of the *Plasmodium falciparum* parasitophorous vacuole

Kevin Quinteros *Des Moines, Iowa*
DISSERTATION: An integrated approach to studying the coevolution of the Fig and Fig-Wasp Mutualism

Sharu Paul Sharma *Mansa, India*
DISSERTATION: Functional and structural impacts of Ac/Ds transposon system in maize

Yan Zhou *Shijiazhuang, China*
DISSERTATION: Dissecting genetic factors regulating plant architecture variations using novel phenotyping approaches: Case studies in maize and sorghum

Major in Horticulture

J. Austin Gimondo *Chandler, Okla.*
DISSERTATION: Biotic and abiotic risks to *Dirca* spp. in managed landscapes

Major in Hospitality Management

Smita Singh *Lucknow, India*
DISSERTATION: Impact of smart tourism technologies on technology engagement, destination experiences, and place attachment from the perspectives of gamification, engagement and self-determination theory

Major in Human Computer Interaction

§ **Angelica Marie Jasper** *Wheaton, Ill.*
DISSERTATION: Cybersickness in virtual reality as a function of individual differences and scalable task workload

Major in Human Development and Family Studies

Maya Bartel *Gresham, Oreg.*
DISSERTATION: "My genitals have nothing to do with my parenting": A qualitative study of trans adoption

§ **Olivia Nicole Diggs** *Ogden, Iowa*
DISSERTATION: Risky drinking: Trends, risks, and consequences from adolescence to older adulthood

§ **Dahyung Ryu** *Seoul, South Korea*
DISSERTATION: Early experiences and development in Head Start

Laura Lorraine Triplett *Sioux City, Iowa*
DISSERTATION: Evaluating the effectiveness of sex education and teen pregnancy prevention

Major in Immunobiology

§ Jayne Elizabeth Wiarda *Ackley, Iowa*
DISSERTATION: T cells and innate lymphoid cells
in the pig intestine

Major in Industrial Engineering

†† Reyhaneh Bijari *Birjand, Iran*
DISSERTATION: Accounting for rank uncertainty in
decision making for plant breeding

§ Chih-Yuan Chu *Taichung, Taiwan*
DISSERTATION: Text analytics for supply chain risk
management

§ Sharon May Yen Lau *Kuantan, Malaysia*
DISSERTATION: Reducing measurement error
in magnetic particle inspection through the
optimization of process parameters and artificially
intelligent solutions

Atefeh Rajabalizadeh *Tehran, Iran*
DISSERTATION: Consistency in integer
programming

Major in Materials Science and Engineering

Binzhi Liu *Dexing, China*
DISSERTATION: Phase transition and materials
design of PbZrO₃-based antiferroelectric ceramics

Andrew J. Temple *Newell, Iowa*
DISSERTATION: Mechanical properties of heat-
treated additively manufactured titanium alloys

Soumya Varma *Bhopal, India*
DISSERTATION: Micromechanical investigations of
the remarkable damage tolerance in tooth-enamel
of Hadrosaurid dinosaurs

Zihao Xu *Nanjing, China*
DISSERTATION: Gellan gum based thiol-ene
hydrogels with tunable properties for use as tissue
engineering scaffolds

Major in Mathematics

†† § Nathaniel Robert Benjamin *Zionsville, Pa.*
DISSERTATION: Schurian association schemes
obtained from the general unitary group acting on
isotropic vectors and totally isotropic subspaces

Evan Thomas Camrud *Fargo, N. Dak.*
DISSERTATION: On the stochastically-induced
exponential stability of two nonlinear dynamics
exhibiting energy conservation

Esther Dawn Conrad *San Marcos, Tex.*
DISSERTATION: Propagation processes on graphs
and applications

†† Jina Hyoungji Kim *Seoul, South Korea*
DISSERTATION: Quasi-invariance for families of
infinite-dimensional SDEs with degenerate noise

Major in Mechanical Engineering

†† § Viraj Vilas Belekar *Mumbai, India*
DISSERTATION: Modeling and simulation of
hydrodynamics, heat and mass transfer of wet
granular mixtures in agitated filter-dryers

Ahmad Mohammadhabeeb Fallatah *Ames, Iowa*
DISSERTATION: Morphology controlled oxide
nanostructures and their effect on biosensing
capabilities and photocatalytic activity

Kshitiz Kumar Subedi *Hetauda, Nepal*
DISSERTATION: Particle-based approach to model
fuel droplet impact and thermal spray coating
processes

Todd Alan Thompson *Cedar Falls, Iowa*
DISSERTATION: Comparative studies on fatigue
strength estimation and kriging-assisted
reliability-based design optimization

§ Hamidreza Zobeiri *Bushehr, Iran*
DISSERTATION: 2D materials phonon transport:
Equilibrium and non-equilibrium

Major in Meteorology

†† Brian Joseph Squitieri *Norman, Okla.*
DISSERTATION: Forecast sensitivities of MCS
cold pools to increased spatial resolution in
convection-allowing WRF simulations

Major in Microbiology

Lucas Ronald Koester *Manchester, Iowa*
DISSERTATION: Characterization of the dairy cattle rumen microbial communities in response to long term supplementation of a sodium-saccharin based sweetener during normal physiological and heat stress conditions

Major in Molecular, Cellular and Developmental Biology

§ Sushma Vadiraj Ambekar *Bengaluru, India*
DISSERTATION: Guardians of the Plasmodium nuclear galaxy: Identification and characterization of Plasmodium berghei nuclear pore proteins

†† Travis John Hattery *Davenport, Iowa*
DISSERTATION: Characterization of genotypic and environmental influences on Zea mays cuticle deposition

Pallavi Sinha Roy *Kolkata, India*
DISSERTATION: Consequences of pathogenic tubulin-mutations on molecular motor proteins and their implications in tubulinopathies

Major in Organic Chemistry

†† Sean Roger Norris *Aurora, Colo.*
DISSERTATION: Investigating push pull systems and benzothiadiazole cores

§ Milad Zangiabadi *Kerman, Iran*
DISSERTATION: Molecularly imprinted nanoparticles for the recognition and processing of glycans and peptides

Major in Plant Biology

Josef James Jareczek *Willow Springs, Ill.*
DISSERTATION: Parallelism and convergence during independent domestication of cotton species

Major in Psychology

†† § Shuyi Liu *Chongqing, China*
DISSERTATION: Effects of a brief self-compassion intervention for college students with impostor phenomenon

†† Marielle G. Machacek *St. Petersburg, Fla.*
DISSERTATION: Moral conflict: Who experiences it and how might it influence decision-making?

Major in Psychology (Counseling Psychology)

Kent Allen Crick *Evansville, Ind.*
DISSERTATION: Toward a resilience model of student well-being: A self-determination approach to thriving and burnout among college students

†† Madelyne Mae Losby *Marion, Iowa*
DISSERTATION: Emoji use in online communication with emerging adults: The impact on ambiguity, affect, and social connection

Nellie Raissa Moualeu *Plano, Tex.*
DISSERTATION: Substance use disorder, shame, and self-forgiveness: A latent profile analysis

Major in Rhetoric and Professional Communication

Carrie Ann King Johnson *Brigham City, Utah*
DISSERTATION: Whisper networks in organizations: Sexual harassment protection through informal connections

Major in Soil Science (Soil Morphology and Genesis)

†† Meyer Patrick Bohn *Bismarck, N. Dak.*
DISSERTATION: Precision land surface analysis and machine learning for enhanced soil maps: Strengthening the foundation for agroecosystems research

Major in Statistics

Zihao Chen *Ames, Iowa*
DISSERTATION: Applications of machine learning in asset pricing, prediction of extreme returns and implied volatility surface

Hyeongseon Jeon *Seoul, South Korea*
DISSERTATION: Advances in random forest tuning and improvements in false discovery rate controlling procedures via test-specific covariate adjustments

Ju Heung Kim *Busan, South Korea*
DISSERTATION: LSSVR + PSO = MFG

Jiayi Luo *Wuhan, China*
DISSERTATION: Nowcasting GDP using Bayesian shrinkage approach and identifying Implied Volatility Surface using Symbolic Regression

†† § Jiaming Qiu *Shenzhen, China*
DISSERTATION: Topics in non-parametric analysis in non-Euclidean spaces

Hao Sun *Xuzhou, China*
DISSERTATION: Small area estimation and graphical model for complex surveys

Qihao Zhang *Beijing, China*
DISSERTATION: Block-based inference for Gaussian subordinated long-range dependent processes

§ Yudi Zhang *Jinan, China*
DISSERTATION: Unsupervised learning with high-throughput sequencing data

Wenting Zhao *Wuhan, China*
DISSERTATION: Statistical methods for conditional dependence and microbiome data analysis

Major in Toxicology

Ahmed Abdulrahman Abdalla *Durham, N.C.*
DISSERTATION: Therapeutic strategies of Parkinson's disease: Alternative dopamine replacement and potential drug targets

Maria Estefania Gonzalez-Alvarez *Guatemala City, Guatemala*
DISSERTATION: Investigating mechanisms of ovotoxicity of Perfluorooctanoic acid and Zearalenone exposure and the influence of altered metabolic status on ovarian function

Major in Veterinary Microbiology

Loni Lynn Schumacher *Eureka, S. Dak.*
DISSERTATION: Characterization of virus strain and pig age-dependence of porcine epidemic diarrhea virus: Implications for vaccine development

Wannarat Yim-Im *Bangkok, Thailand*
DISSERTATION: Improvement of porcine reproductive and respiratory syndrome virus diagnostics and characterization: Emphases on virus isolation and genetic classification

Multiple Curricula and Majors

†† § Dana AlZoubi *Ames, Iowa*
DISSERTATION: Unpacking instructors' use and sensemaking processes of feedback dashboards: A human-centered approach
MAJORS: Education and Human Computer Interaction

Cole Dutter *Modesto, Calif.*
DISSERTATION: The spatial and temporal effects of prairie strip restoration on soil health
MAJORS: Sustainable Agriculture and Soil Science

Lijing Gao *Shanghai, China*
DISSERTATION: Toward a better understanding of the complex factors that influence farmers' soil and water conservation behaviors
MAJORS: Sociology and Sustainable Agriculture

Andreas J. Miles-Novelo *Urbandale, Iowa*
DISSERTATION: Media effects research: Examining violent video game effects in a publicly available sample
MAJORS: Psychology and Human Computer Interaction

§ Taylor L. T. Wherry *Wyoming, Iowa*
DISSERTATION: Immunomodulatory effects of vitamin D3 on dairy cattle naturally infected with Mycobacterium avium subspecies paratuberculosis
MAJORS: Microbiology and Immunobiology

Zerui Zhang *Shanghai, China*
DISSERTATION: Topics in genomic selection and matrix completion
MAJORS: Bioinformatics and Computational Biology and Statistics

MASTER OF ACCOUNTING

Major in Accounting (Financial Reporting & Assurance)

Graceann Bethellen Kruse *Dallas Center, Iowa*

MASTER OF ARCHITECTURE

Major in Architecture

Hila Sabouni *Sabzevar, Iran* Tara Noel Scholten Tilstra *Sioux Center, Iowa*

MASTER OF ARTS

Major in Graphic Design

Jasmine Lynn Beul *Denver, Colo.*

Major in History

Aiden Thomas Daly *New City, N.Y.*
THESIS: Homes for the industrious in the garden state of the West: The Illinois Central Railroad's role in the economic, environmental, and agricultural development of Illinois, 1850-1861

Haseeb Haroon *Rockford, Ill.*
THESIS: Implicit Islamophobia and racism in modern America

Josiah Pollock *Puyallup, Wash.*
THESIS: Agroecological agriculturalists: Sustainable stewardship and the Puget Sound Agricultural Company

Major in Interior Design

Margaret M. Parks *Americus, Ga.*
THESIS: Using digital simulation to foster empathy for aging occupants with low vision

Major in Political Science

Austin Craig Stotts *Urbandale, Iowa* Mingze Wu *Wuhan, China*

Major in Political Science (Public Policy)

W. Peter R. Deveaux-Isaacs Jr. *Nassau, Bahamas* Blake Robert Rhoads *Ankeny, Iowa*
Katherine Anne Kielkopf *Indianola, Iowa*

Major in Rhetoric Composition and Professional Communication

†† Molly Claire Riddell *Amarillo, Tex.*
THESIS: The Selfish Rhetoric: Reddit memes and polarized identity during COVID-19

Major in Teaching English as a Second Language/Applied Linguistics

Kunhui Connie Kim

Seoul, South Korea

MASTER OF ARTS IN TEACHING

Major in Science Education

Cecilia Hinsley
Ellen Marie Loyd

Ames, Iowa
Ames, Iowa

Alison Elizabeth Poole

Polo, Ill.

MASTER OF BUSINESS ADMINISTRATION

Major in Business Administration

Luke William Safris
Rakesh Kumar Shah

Johnston, Iowa
Janakpur, Nepal

Brett Gregory Wulfekuhle

Des Moines, Iowa

Major in Business Administration (Finance)

Mark Micheal Macchia

Shoreview, Minn.

Major in Business Administration (Information Systems)

Rachel Moylan

Des Moines, Iowa

Major in Business Administration (Leadership)

Josefina Avalos Garcia
Dane Michael Lang
Benjamin Edward Menz

Osceola, Iowa
Brooklyn, Iowa
Des Moines, Iowa

Haley Meyers
Bryce Edward Williams

Ames, Iowa
Sioux City, Iowa

MASTER OF COMMUNITY AND REGIONAL PLANNING

Major in Community and Regional Planning

Jacob Camilo Bolten

Windsor Heights, Iowa

Sydney N. Steinle

Ankeny, Iowa

MASTER OF EDUCATION

Major in Education (Curriculum and Instructional Technology)

Megan Ann Kelly

Ames, Iowa

Hasan Sungur

Ames, Iowa

Major in Education (Special Education)

Matthew Lee Hamann

Ames, Iowa

MASTER OF ENGINEERING

Major in Aerospace Engineering

Alexander D. Krekelberg *Minnetonka, Minn.*

Major in Civil Engineering

§ Rohit Ghosh *Kolkata, India*

Major in Civil Engineering (Civil Engineering Materials)

Paul Anthony Ledtje *Ames, Iowa*

Major in Civil Engineering (Geotechnical Engineering)

Trevor James Meinholz *Buffalo Grove, Ill.*

Major in Computer Engineering

Matthew Karl Johnson *Crystal Lake, Ill.* Chloe Jacqueline Sabado *Naperville, Ill.*
Arden Ray Meyer *Ankeny, Iowa* Ameya Pandurang Sandim *Mumbai, India*

Major in Cyber Security

Joshua Mark Sevcik *Cedar Rapids, Iowa* Crystal Michelle West *Iowa City, Iowa*

Major in Electrical Engineering

Konstantinos Konstantinidis *Karpathos, Greece* Mortada Saeed *Iowa City, Iowa*
Christopher T. Pedersen *Malta, Ill.* Shahzaib Shahid *Doha, Qatar*

Major in Engineering Management

Sydney Raquel Good *Bettendorf, Iowa*

Major in Industrial Engineering

Ananya Sarma *Guwahati, India* Garrett William Spotts *Meridian, Idaho*

Major in Materials Science and Engineering

Deeksha Muralidar Kodangal *Gokak, India*

Major in Mechanical Engineering

Abinayaa Dhanagopal *Chennai, India* Jacob Alvin Klemme *Buckley, Wash.*
Nathan M. Johnson *Swisher, Iowa* Nathan Leif Pomykala *Bartlett, Ill.*

Major in Systems Engineering

Grace E. Cooke *Tinley Park, Ill.* Kaylinn Danielle Willson *Ames, Iowa*

MASTER OF FAMILY AND CONSUMER SCIENCES

Major in Family and Consumer Sciences (Dietetics)

Dana Leigh Reedy

Mukwonago, Wis.

MASTER OF FINANCE

Major in Finance

Freeson Ochai

Ames, Iowa

MASTER OF FINE ARTS

Major in Creative Writing and Environment

Alana Marie Jones

Laguna Hills, Calif.

THESIS: Beautiful terrible things

Major in Integrated Visual Arts

Youeun Lee

Seoul, South Korea

THESIS: Cultural storytelling: Korea

MASTER OF HUMAN COMPUTER INTERACTION

Major in Human Computer Interaction

Isabel Marie Almaguer

Houston, Tex.

Megan Brackett

Galesburg, Ill.

Bryan Allen Conroy

Tampa, Fla.

Samuel David De Witt

Nashville, Tenn.

Nathan W. Harmon

Johnstown, Ohio

Sarah Elizabeth Hernandez

Houston, Tex.

Edwin Alt Karaya

San Juan, Puerto Rico

Shelly Kirschbaum

Pleasant Hill, Iowa

Teresa Anne Kobylarz

Farmington Hills, Mich.

Morgan Lohmann

Great Neck, N.Y.

Jacob Garrett McNeece

Portland, Oreg.

Rowan Harper Sexton

Saint Paul, Minn.

Jessie N. Taylor

Arlington, Va.

Talia Loretta Torpy

West Des Moines, Iowa

Kira Anne Wilson

Fort Worth, Tex.

Jianpeng Yan

Austin, Tex.

Carlos Jalen Young

Springdale, Md.

MASTER OF PROFESSIONAL PRACTICE IN DIETETICS

Major in Professional Practice in Dietetics

Sydney Addison Brackett

West Des Moines, Iowa

Johnny Ray Busby Jr.

Los Angeles, Calif.

Megan Elyse Carlson

Minnetonka, Minn.

Abby Jane Casanova

Lino Lakes, Minn.

Morgan Bethany Cleveringa

Algona, Iowa

Heidi Nichole Fank

Boone, Iowa

Cole Zachary Hopkins

Norwalk, Iowa

Angela Ireland

Jacksonville, Ark.

Katherine J. Jespersen
Theresa J. Jones
Jessica E. Longcor
Malia Ann Martin
Caitlyn Alexandra Nass
Pitchaya Pattasema
Benjamin James Pierce

Kansas City, Mo.
Rockford, Iowa
Des Moines, Iowa
Phoenix, Ariz.
Virginia Beach, Va.
Las Vegas, Nev.
Oceanside, Calif.

Samantha Victoria Riess
Michelle Lynn Riessen
Catherine Rosas Cabrera
Camille H. Thompson
Mengyao Wang
Triva Leeann Wilson
Rihanna Renee Wood

Madrid, Iowa
Davenport, Iowa
Denison, Iowa
Lee's Summit, Mo.
Chino Hills, Calif.
Colorado Springs, Colo.
Duncombe, Iowa

MASTER OF SCIENCE

Major in Aerospace Engineering

David Michael Kendhammer *La Crosse, Wis.*
THESIS: A method for the Dyson sphere global trajectory optimization
Yiqi Liang *Beijing, China*
THESIS: Understanding the challenges faced by female non-native English-speaking international doctoral students in engineering programs

Aditi Avdhoot Sawant *Mumbai, India*
Benjamin Timothy Schimke *Stewartville, Minn.*
THESIS: Sub-optimal Fourier series approach for fast initial low-thrust space trajectory design

Major in Agricultural and Biosystems Engineering

Eric John Henning *West Des Moines, Iowa*
THESIS: Assessing the effects of embedding prairie strips within row crop fields on soil hydraulic properties and soil health

Major in Agricultural Economics

Raymond Christian Chahyadi *Bandung, Indonesia*
Nathan Kasdan *Eden Prairie, Minn.*

Tate Joseph Rasmussen *Earlham, Iowa*
Denver Douglas Schultz *Fairfield, Iowa*

Major in Agricultural Education

Kevin Paul Anderson *Bondurant, Iowa*
Holly Hendershot *Chardon, Ohio*

Sarah E. Lee *Elizabeth, Ill.*
Christian M. Thurwanger *Sycamore, Ill.*

Major in Animal Science

Sophia Agnes Breuer *Burlington, Iowa*
THESIS: Oxidative stress variation and its relationship to genetics and reproductive performance in a commercial swine breeding herd

Major in Applied Mathematics

Kollin David Poindexter *Shelby Township, Mich.*

Major in Architecture

Paavan Joshi *Chandigarh, India*
THESIS: Jaali - A study of passive cooling via 3D printed clay blocks

Major in Biochemistry

Max Aaron Keller *Des Moines, Iowa*
THESIS: Development of a multi-week laboratory module investigating the brewing potential of wild-yeast and the biochemical characterization of hop-derived starch-degrading enzymes

Major in Biomedical Sciences

Tatum Christina Keck *Dubuque, Iowa*

Major in Chemical Engineering

Carly Jo Dolgos *Gibsonia, Pa.*
THESIS: Epoxy coating systems: Probing negative thermal expansion with zinc cyanide

Lilly Synan *Edmond, Okla.*
THESIS: Early prediction of pregnancy disorders with machine learning guided Raman spectroscopy, and metabolomics.

Major in Civil Engineering (Construction Engineering and Management)

Shiva Ourang *Tehran, Iran*

Major in Civil Engineering (Structural Engineering)

§ Matthew J. Nelson *Chicago, Ill.*
THESIS: Hybrid algorithm for zero timing deadline overshoot state estimation of high-rate dynamic systems

Major in Civil Engineering (Transportation Engineering)

Nayla Akter *Chittagong, Bangladesh*
THESIS: Impacts of driver distraction and other errors on crash occurrence

Major in Computer Engineering

Bodhisatta Pramanik *Kolkata, India*

Major in Computer Engineering (Secure and Reliable Computing)

Jordan Christofer Heim *Farmington, Minn.*

Major in Computer Science

Shibbir Ahmed *Dhaka, Bangladesh*
THESIS: Semantics and anomaly preserving sampling strategy for large-scale time series data

Nicholas Farha Landon *Lee's Summit, Mo.*

Jiajie Li *Xinxiang, China*

Ge Luo *Xiangtan, China*
THESIS: Towards end-to-end reference-free summarization evaluation via negative sampling

Suri Dipannita Sayeed *Dhaka, Bangladesh*
THESIS: Protein fold classification using Graph Neural Network and Protein Topology Graph

Timothy John Schommer *Rochester, Minn.*
Hamad Ullah *Cedar Falls, Iowa*

THESIS: Evaluation of object classifier and cross layer network emulator: Application to autonomous vehicle

Kumara Sri Harsha Vajjhala *Hyderabad, India*
THESIS: Enhancing MetaOmGraph software, and using interpretable machine learning to study novel genes in human breast cancer

Major in Condensed Matter Physics

Hyung-Cheol Lee *Seoul, South Korea*

Major in Crop Production and Physiology (Seed Science)

†† Hailey Nicole Daufeldt *West Liberty, Iowa*
THESIS: Determining the extent of seed dryer damage in corn (*Zea mays* L.) seed using the tetrazolium test and other seed quality tests

Major in Crop Production and Physiology (Weed Science)

Edward Steven Dearden Jr. *Ambler, Pa.*
THESIS: Utilizing a cereal rye cover crop to manage herbicide-resistant horseweed (*Erigeron canadensis*) and waterhemp (*Amaranthus tuberculatus*) in soybean production systems

Major in Diet and Exercise

Rachel Huyen Luong *Davenport, Iowa*
THESIS: Plant-based meat alternatives consumption and acculturation among international college students

Major in Ecology and Evolutionary Biology

Christiana-Jo Concepcion *Santa Rita, Guam*
Quinata
THESIS: Butterfly wing morphology change after 40 years of relaxed bird predation

Major in Electrical Engineering

Dylan Clay Miley *Hampshire, Ill.* Isaac Lee Rex *Eagle Rock, Mo.*
THESIS: Deposition process development for CSVT system and investigations into interfacial oxides within thin film cadmium selenide solar cells Joshua Lee Welton *Garwin, Iowa*

Major in Electrical Engineering (Communications and Signal Processing)

Felipe Varela Carvalho *Belo Horizonte, Brazil*

Major in Electrical Engineering (Electric Power and Energy Systems)

Rajaz Khan Amitava *New Delhi, India* Shahnawaz Ahmed Siddiqui *Ratlam, India*

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

Marshall Vaccaro *O'Fallon, Mo.*
THESIS: Orthogonally coded array for high-speed Synthetic Aperture Radar (SAR) imaging

Major in Electrical Engineering (Systems and Controls)

Michael Jeffrey Neilson *Morton, Ill.*

Major in Electrical Engineering (Very Large Scale Integration)

Omar Hesham ElSherbiny *Cairo, Egypt*
THESIS: Modeling of a spiral resonant sensor for biological process monitoring

Major in Environmental Science

Kaleigh Block *Walworth, N.Y.*
THESIS: Taxonomically resolved iron uptake and carbon fixation by phytoplankton within a ferruginous, meromictic lake

Major in Fisheries Biology

Andrew R. Annear *Cheyenne, Wyo.*
THESIS: Assessment of methods for monitoring Common Carp and Bigmouth Buffalo populations in Northwest Iowa lakes

Major in Genetics and Genomics

Brian Zebosi *Kampala, Uganda*
THESIS: Functional characterization of ramosa suppressor locus-12.2995 that shows the opaque1 gene regulates plant architecture in maize

Major in Geology

Alaina Grace Chormann *Concord, N.H.*
THESIS: Insights into the hydroclimate during the Medieval Climate Anomaly, Little Ice Age, and Industrial Era from annually resolved Southern Portuguese speleothem records

Major in Horticulture

†† Danielle Jaden Gimondo *Broken Arrow, Okla.*
THESIS: Determining effective organic poultry litter fertilizer concentrations for containerized herb production

Shillah Kwikiiriza *Bushenyi, Uganda*
THESIS: Evaluation of horticultural practices for tropical squash production and marketing among smallholder youth farmers in Kamuli, Uganda

Major in Human Computer Interaction

Kareen Anasilvia Salazar Morales *Guatemala City, Guatemala*
THESIS: Design heuristics for instructor dashboard interfaces rooted in self-determination theory

Feng Zhao *Nenjiang, China*

Major in Human Development and Family Studies

Madeline Louise Robinson *Cedar Rapids, Iowa*
THESIS: The influence of economic pressure, GPA, early sexual activity, and harsh parenting on adult educational attainment: The role of future career values and church attendance

Major in Industrial Engineering

Sri Ram Manidileep Aravapalli *Guntur, India*
THESIS: An automatic inspection approach for remanufacturing components using object detection

Griffin Mosher Wilson *Storm Lake, Iowa*

Major in Information Systems

Alex Bodin
Metitiri Disi
Osama O. Ebrahim
Jaden Nicole Newsome

Ames, Iowa
Arlington, Tex.
Iowa City, Iowa
Houston, Tex.

Marija Popovic
Kameswari S. Madhuri
Poranki
Chang Yin

Belgrade, Serbia
Visakhapatnam, India
Chongqing, China

Major in Journalism and Mass Communication

Martha Elizabeth Haas
Johnna Elizabeth Ragland
Zhe Wang

Ames, Iowa
Flint, Tex.
Qingdao, China

THESIS: Portrayals of Asian women on American television: An analysis of 90 Day Fiancé

Eric Williams

Westfield, N.J.

THESIS: The role of communication & information in accessing information about COVID-19 benefit policies: A study of the New York City restaurant industry

Major in Kinesiology

Katherine Michelle Bricarell

Cypress, Tex.

THESIS: Biomechanical and comfort analyses on the use of commercial insoles while walking and running

Kenneth G. Echevarria

Elgin, Ill.

Georgia Marie Garrett

Ottumwa, Iowa

THESIS: The effect of acute rhythmic cognitively engaging physical activity on executive function and attention in preadolescent children

Major in Materials Science and Engineering

Scott Anthony Blazanin

Bloomington, Minn.

THESIS: Analysis of secondary cracking behavior in fatigue tested aluminum alloy 7085-T7452

Major in Mathematics

Alejandra Marcelino

Bronx, N.Y.

Major in Mechanical Engineering

Jaek Lee

Seoul, South Korea

THESIS: SPH simulation of YSZ and stainless-steel droplet impact for thermal spray process

Irene Mas Martin

Palma de Mallorca, Spain

THESIS: Comparative optimization of production and dispatch of bioenergy in anaerobic digestion supply chains

Grant E. Neighbor

Central City, Iowa

THESIS: An open-source framework for fluid-structure interaction analysis of heart valves

Ho-Won Noh

Ames, Iowa

THESIS: Direct writing of calcium phosphate/graphite nanocomposite film using laser induced graphitization of polyimides

Major in Microbiology

†† Dua Xong Vang

Minneapolis, Minn.

THESIS: Experimental and genetic tools for elucidating the contribution of secreted public goods and genetic pathways to rhizosphere competence of *Pseudomonas putida*

Major in Nutritional Sciences (Human Nutrition)

†† Mary Carolyn Jorgenson

Kansas City, Mo.

THESIS: Effects of green tea polyphenols on inflammation and iron status

Major in Physics

Evan Jacob Walker

Greenville, S.C.

Major in Plant Biology

§ Nuoya Xu *Ames, Iowa*
THESIS: Develop bioengineering tools for upland switchgrass by overexpressing morphogenic genes

Major in Plant Breeding

Karen Renae Bender *Poynette, Wis.*

Liming Zhou *Ningbo, China*
THESIS: High-throughput Arabidopsis platform for SHGD screening

Major in Psychology

Angelica M. Castro Bueno *Salina, Kans.*
THESIS: Far from angels: Examining DACA recipients' lived experience of stigma

Ashley J. Macbeth *Marshalltown, Iowa*
THESIS: Non-binary individuals' experiences of gender dysphoria: A phenomenological exploration

Major in Seed Technology and Business

Shane Michael Svoboda *Ankeny, Iowa*

Tyler Cole Tunning *Boone, Iowa*

Major in Soil Science (Soil Chemistry)

Emma Carter Molburg *New Windsor, Ill.*
THESIS: Effects of conservation management on spatial heterogeneity of soil health properties

Major in Statistics

Abraham Addo Adokwei *Accra, Ghana*
Abigail V. Collins *Malone, N.Y.*
Gabrielle Lynn Collins *Malone, N.Y.*

Mohammad Fili *Tehran, Iran*
Pilhyun Andrew Lim *Vancouver, Wash.*
Troy J. Ness *Salt Lake City, Utah*

Major in Veterinary Pathology (Veterinary Parasitology)

Katherine Avery Martin *Ames, Iowa*
THESIS: Investigation of compounds with activity against *Tritrichomonas foetus* trophozoites

Major in Veterinary Preventive Medicine

Lu Yen *Taichung, Taiwan*
THESIS: Accurate detection of porcine deltacoronavirus infection and the importance of antibody stability in diagnostic specimens

Major in Wildlife Ecology

Zachary Ryan Dienes *Windham, Ohio*
THESIS: Multi-state analysis of August roadside surveys for monitoring ring-necked pheasant and northern bobwhite populations

Multiple Curricula and Majors

Sadeq Wajih Dardas *West Des Moines, Iowa*

MAJORS: Information Systems and Cyber Security

Chelsea Louise Ferrie *Heyworth, Ill.*

THESIS: Data-driven applications to address nutrient reduction goals in agricultural landscapes

MAJORS: Environmental Science and Sustainable Agriculture

Mehdi Saraeian

Isfahan, Iran

THESIS: Effects of the non-sinus-matching bioprosthetic aortic valve design on hemodynamics in the aorta

MAJORS: Mechanical Engineering and Human Computer Interaction

MASTER OF URBAN DESIGN

Major in Urban Design

Emily Renee Huston

Clinton, Iowa

DEGREE RECIPIENTS FROM THE COLLEGE OF AGRICULTURE AND LIFE SCIENCES

BACHELOR OF SCIENCE

Curriculum in Agricultural and Life Sciences Education

Jenna Victoria Kingsley Webberville, Mich.

Curriculum in Agricultural Business

Kennedy Nicole Thines Preston, Iowa

Curriculum in Agricultural Studies

Trevor Kenneth Eggena	Cedar Falls, Iowa	Anna Kathryn Pion	Dallas Center, Iowa
Everett Michael Eggleston	Grundy Center, Iowa	Bailey Marie Schaben	Dunlap, Iowa
Aaron James Peters	Carroll, Iowa	Michael Ray Schorpp	Algona, Iowa

Curriculum in Animal Ecology

Julie Ann Brissette	Parkersburg, Iowa	Jessica Lynn Kline	Bettendorf, Iowa
Kamy A. Eriksen	McCook Lake, S. Dak.	Haley Nicole Shook	Coralville, Iowa
Keely Marie Hammen	Rockwell City, Iowa	Claire Elise Whalen	Pilot Mound, Iowa
Blake Matthew Hegarty	Sioux City, Iowa		

Curriculum in Animal Science

Ashley Mckenna Arp	Bettendorf, Iowa	Abigail Mae Hunt	Glenwood, Iowa
Shaann Alexis Beaman	Council Bluffs, Iowa	***† Grace Marie Jakes	Indianola, Iowa
Abigail Dajana Cardenas	Streamwood, Ill.	* Amelia M. Verkade	Boone, Iowa
Noah E. Coleman	Johnston, Iowa	Karlee Volrath	DeWitt, Iowa
Jasmine Pearl Foster	Clark, S. Dak.		

Curriculum in Biology

** Hector Gordon Arbuckle Ames, Iowa

Curriculum in Dietetics

Gina Gabrielle Barrientos Oak Lawn, Ill.

Curriculum in Environmental Science

Connor L. Bjornsen	Marion, Iowa	Caleb Dean Gomez	Runnells, Iowa
George William Frampton	Johnston, Iowa	Ryan Michael Nugent	Waukegan, Ill.

Curriculum in Forestry

Elliot Samuel Hess	Cedar Rapids, Iowa	Hannah Faith Peters	North Liberty, Iowa
Abigail Elisabeth Morgan	Lamont, Iowa	Chloe Elizabeth Proffitt	Crawfordsville, Iowa

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Curriculum in Global Resource Systems

***† Grace Marie Jakes Indianola, Iowa ** Nolan Daniel Monaghan Manchester, Iowa

Curriculum in Horticulture

Suad Ali Hamid Ali Coralville, Iowa ** Nolan Daniel Monaghan Manchester, Iowa

Curriculum in Industrial Technology

Brandon Burke Elmhurst, Ill. Jason Ko Park Ames, Iowa
Morgan Lee Ely Dixon, Ill. Patrick Donald Pogwizd Nevada, Iowa
Garrett Gregory Hazdra Naperville, Ill. Kade Robert Bymark Tix Grand Rapids, Minn.
Alexander Henry MacNally North Andover, Mass. Aidan James Zoutte Knoxville, Iowa
James Mathias Malerich Marion, Iowa

Curriculum in Microbiology

* Caleb John Peter Prairie City, Iowa *** Luke Duane Vaske Rhodes, Iowa
Sara Scott Altoona, Iowa

Multiple Curricula and Majors

Paige Ellie Beckner Iowa City, Iowa ** Andrew Charles Ernat Hamilton, Mo.
Global Resource Systems and Environmental
Studies Horticulture and Global Resource Systems
Henry David Canafax Skokie, Ill. Isabella Regina McGuire West Des Moines, Iowa
Global Resource Systems and Environmental
Studies Global Resource Systems and Environmental
Studies
** Emma Jewell Duff Rochester, Minn. Scott Robert Starr Council Bluffs, Iowa
Environmental Science and Global Resource
Systems Animal Science and Animal Ecology

* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

DEGREE RECIPIENTS FROM THE IVY COLLEGE OF BUSINESS

BACHELOR OF SCIENCE

Major in Accounting

Colton Farrar Des Moines, Iowa * Ana Cristina Garcia Chavarria Marshalltown, Iowa

Major in Business Economics

Brooke Schettler West Des Moines, Iowa

Major in Entrepreneurship

Colin Nathan Apprill West Des Moines, Iowa Joseph Michael Teno Melrose, Iowa
Kiowa Samuel Keith Washington, Iowa

Major in Finance

James Robert Beach	Cumming, Iowa	Cole Lloyd Hulen	Indianola, Iowa
Jacob Andrew Bruck	Earling, Iowa	Dylan Michael Kibbie	Emmetsburg, Iowa
Guanyu Chen	Chengdu, China	* Dylan Troy Koresh	Charles City, Iowa
* Vincent Robert D'Aloia	Chicago, Ill.	Yunong Liu	Jinan, China
Alexander Logan Fee	Norwalk, Iowa	Dylan Mateja	Oswego, Ill.
Benjamin Lee Fink	Truro, Iowa	Cade James McMahan	Blaine, Minn.
Cameron Thomas Hoag	Joliet, Ill.	Lauren Marie Nied	Maple Grove, Minn.
** Zachary Scott Hohl	West Des Moines, Iowa	Trent Alan Stahl	Nevada, Iowa

Major in Management

Natalie Paige Baack	Estherville, Iowa	Jayda Lynn Hembroff-Brown	Savage, Minn.
Jack Joseph Baumhover	Huxley, Iowa	** Sarah J. Johnson	Waukee, Iowa
Cole Nathaniel Cameron	Deep River, Iowa	Valeria A. Pena Medina	Des Moines, Iowa
Amber Doyle	West Des Moines, Iowa		

Major in Management Information Systems

John Allen Ervin IV	North Liberty, Iowa	Joshua Nicholas May	Elburn, Ill.
Alyssa Renee Esquivel	San Antonio, Tex.	Nicholas Cameron Mitchell	Bolingbrook, Ill.
Samuel James Estes	Urbandale, Iowa	* Samuel Jacob Prisco	Rochester, Minn.
German David Hernandez	Dubuque, Iowa	Connor T. Zukowski	Winona, Minn.
Jordan C. Hillock	Nevada, Iowa		

Major in Marketing

Caleb Joseph Button	Van Meter, Iowa	Wilna Riphin	Denison, Iowa
Isla Gale Chowanec	Johnston, Iowa	Emily Ann Samuelson	Spirit Lake, Iowa
Elizabeth Jean Cowley	Ames, Iowa	Berkley James Sandquist	Indianola, Iowa
Samantha Leigh Kinder	Atlanta, Ga.	Jaimie Louise Stites	Council Bluffs, Iowa
Cassie Marie McGraw	Dodgeville, Wis.	Benjamin Andrew Terry	South Bend, Ind.
Hannah Lynn Moen	Council Bluffs, Iowa	Benjamin Scott Von Lehe	Glen Ellyn, Ill.
Andre S. Offori	Shoreview, Minn.	Omar Taimoore Waheed	West Des Moines, Iowa
Alicia C. Park	Ankeny, Iowa	Jacob Anthony Wulffen	Glen Ellyn, Ill.

* Cum Laude

** Magna Cum Laude

*** Summa Cum Laude

† Honors Program

Major in Supply Chain Management

Thomas Conrad Adams *St. Charles, Ill.*
Dylan C. Callum *West Des Moines, Iowa*
Brett Michael Hegarty II *Sioux City, Iowa*

Quinn Gregory Holden *Hudson, Wis.*
Garmondeh V. G. Jomah *Des Moines, Iowa*
Mark Ryan Murphy *Omaha, Neb.*

Multiple Curricula and Majors

* Nyamal Yang Gatluak *Des Moines, Iowa*
Entrepreneurship and Liberal Arts and Sciences:
Major in Journalism and Mass Communication

Harshit Kaura *Dehradun, India*
Management Information Systems and Marketing

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

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

DEGREE RECIPIENTS FROM THE COLLEGE OF DESIGN

BACHELOR OF ARCHITECTURE

Curriculum in Architecture

Katie Drewlow *Delano, Minn.* ‡ Emma Elizabeth Timmer *Waterloo, Iowa*

BACHELOR OF ARTS

Curriculum in Art and Design

* Jack Kramer *Fort Dodge, Iowa*

BACHELOR OF FINE ARTS

Curriculum in Graphic Design

Alexis Lynn Determann	<i>Glidden, Iowa</i>	* Kobe M. Riedel-Olinger	<i>Dubuque, Iowa</i>
Quentin Logan Dixon	<i>Bettendorf, Iowa</i>	Marina Jane Ruppel	<i>Des Moines, Iowa</i>
** Rachael Rosalynn Hovde	<i>Wellman, Iowa</i>	Olivia C. Wallerich	<i>Fairfield, Iowa</i>
Grace Ann Jorgensen	<i>Hudson, Iowa</i>	Cassandra Joanne Weber	<i>Story City, Iowa</i>

Curriculum in Interior Design

Levi Frederic Marcoux *Linn Grove, Iowa* Erin Kay McGrath *Asbury, Iowa*

BACHELOR OF SCIENCE

Curriculum in Community and Regional Planning

Trae James Meyer *Dyersville, Iowa*

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

† *Honors Program*
‡ *Posthumous Degree*

DEGREE RECIPIENTS FROM THE COLLEGE OF ENGINEERING

BACHELOR OF SCIENCE

Curriculum in Aerospace Engineering

Michael Anthony Berens Joshua Daniel Carlson	Davenport, Iowa Prior Lake, Minn.	Tyler Jakob Harris Ryan Michael Ritter	Arlington Heights, Ill. Cedar Falls, Iowa
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Curriculum in Agricultural Engineering

Joseph Walter Baker	Itasca, Ill.	Joseph Brandon Beary	Lovilia, Iowa
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Curriculum in Chemical Engineering

* Emily Tyler Aube Victoria Grace Benson Mattie Abigail Elizabeth Kern	Wilsonville, Oreg. Shawnee, Kans. Johnston, Iowa	** Emma Marie Schwarck *** Caden Matthew Washburn Emma Grace Williams	Spencer, Iowa Le Mars, Iowa Bettendorf, Iowa
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Curriculum in Civil Engineering

Justin Robert King	Schaumburg, Ill.
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Curriculum in Computer Engineering

Jasen Robert Helsel Zian Li	Homewood, Ill. Sterling, Ill.	Hunter A. May	Agency, Iowa
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Curriculum in Construction Engineering

Zachary John Bufton Christian T. Robertson	Waconia, Minn. Grimes, Iowa	Joseph John Yanke	Plainfield, Ill.
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Curriculum in Electrical Engineering

Hengwei Chen Nathan Patrick Kelly	Shanghai, China Villa Park, Ill.	* Justin Lee Tyler	Le Mars, Iowa
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Curriculum in Industrial Engineering

Ali H. W. Y. Alghareeb Ronald Robert Gapski Alexandra R. Kasemeier	Ames, Iowa Oak Lawn, Ill. Denver, Iowa	Jedd Stephen Paulsen Luke William Safris	Waverly, Iowa Johnston, Iowa
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Curriculum in Mechanical Engineering

Robert Steven Adams Ryan T. Ahrens Ahmed Khalfan Al-Shereiqi Nicholas Joseph Ardovitch ** Heather A. Baier Benjamin John Baribault *** Josh P. Buelow Claire Cecilia Callahan	Arvada, Colo. Indianola, Iowa Ruwi, Oman Darien, Ill. Altoona, Iowa Edina, Minn. West Des Moines, Iowa Marion, Iowa	*** Yahan Chang *† Faith Cornish Alek Shane Erickson Megan Renea Gee Margaret Rose Heistad ** Christine Jennifer Hess Cameron Christ Interrante * Camden Jeffrey Jackson	Mason City, Iowa Eden Prairie, Minn. Denver, Iowa Independence, Iowa Cedar Falls, Iowa Shelby, Iowa McHenry, Ill. Oconto Falls, Wis.
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* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Charles Nicholas Klapatauskas	<i>Dubuque, Iowa</i>	Nathan R. Stoufer	<i>Council Bluffs, Iowa</i>
*** Hai Cong Le	<i>Hanoi, Vietnam</i>	Nicholas J. Streit	<i>Carroll, Iowa</i>
Tanner Frederick Lundgren	<i>Emmetsburg, Iowa</i>	Mitchell Francis Takes	<i>Hiawatha, Iowa</i>
Colin Joseph McLaughlin	<i>Marion, Iowa</i>	Karl Patrick Tolentino	<i>Mundelein, Ill.</i>
Griffin Dare McLuen	<i>Des Moines, Iowa</i>	Adam Joseph Wegmann	<i>Burlington, Iowa</i>
Michael Drew Sowada	<i>White Bear Lake, Minn.</i>	Bryce Allen Witt	<i>Polk City, Iowa</i>

Curriculum in Software Engineering

Casey Allen Brandt	<i>Janesville, Wis.</i>	Elizabeth Kathryn Nelson	<i>Gilbert, Iowa</i>
Steven William Ehler	<i>Solon, Iowa</i>	Ellissa Rene Peterson	<i>Ankeny, Iowa</i>
Chandler John Hagen	<i>Carroll, Iowa</i>	* Danielle Skye Rodriguez	<i>Chicago, Ill.</i>
* Matthew Medley	<i>Saint Charles, Mo.</i>	*** Robert Andrew Wise	<i>Coralville, Iowa</i>

Multiple Curricula and Majors

*** Carley Elizabeth Haus *Cottage Grove, Minn.*
 Industrial Engineering and Liberal Arts and
 Sciences: Major in World Languages and Cultures
 (Spanish)

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

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

DEGREE RECIPIENTS FROM THE COLLEGE OF HUMAN SCIENCES

BACHELOR OF SCIENCE

Curriculum in Apparel, Merchandising, and Design

Mason Fletcher	<i>Lee's Summit, Mo.</i>	Claudia I. Rodriguez	<i>Caguas, Puerto Rico</i>
** Shyanna Greve	<i>Clinton, Iowa</i>	Isaiah Lee Sparks	<i>Des Moines, Iowa</i>
* Natasha N. Lambert	<i>Negombo, Sri Lanka</i>	Claire Lauren Stalzer	<i>Marshalltown, Iowa</i>
** Mickelle M. Malloy	<i>Rhodes, Iowa</i>		

Curriculum in Diet and Exercise

* Rachel Huyen Luong	<i>Davenport, Iowa</i>
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Curriculum in Dietetics

Grace Lane Barkley	<i>West Des Moines, Iowa</i>
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Curriculum in Elementary Education

Britney Amber Specht	<i>Cleghorn, Iowa</i>	Rylee Margaret Whitney	<i>Plainfield, Ill.</i>
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Curriculum in Event Management

Lilley Bangert	<i>Sanborn, Iowa</i>	Olivia G. Morini	<i>Cary, Ill.</i>
* Maggie Jane Jurczak	<i>St. Charles, Ill.</i>	Faith L. Pladsen	<i>Shellsburg, Iowa</i>

Curriculum in Human Development and Family Studies

Arthur Devon Bell	<i>Bettendorf, Iowa</i>	* Hailee Marie Rewerts	<i>Davenport, Iowa</i>
*** Nicole Erin Embree	<i>Clive, Iowa</i>	McKenna Claire Roche	<i>West Des Moines, Iowa</i>
Makenzi Nichole Kern	<i>Council Bluffs, Iowa</i>	* Amy Marie Yager	<i>Coon Rapids, Iowa</i>
* Cali Lea Quenzer	<i>Des Moines, Iowa</i>		

Curriculum in Kinesiology and Health

Tess Burgett	<i>Norwalk, Iowa</i>	Riley Mackenzie Maher	<i>West Des Moines, Iowa</i>
Winrose Chesang	<i>Fort Dodge, Iowa</i>	** Isabelle Yasamin Malek	<i>Maple Grove, Minn.</i>
Anna K. Collier	<i>Eldridge, Iowa</i>	Jessica Mancillaz	<i>Marshalltown, Iowa</i>
Nicholas James Costello	<i>DeWitt, Iowa</i>	Arisa Elise McGregor	<i>Des Moines, Iowa</i>
Drew Thomas Falls	<i>Burlington, Iowa</i>	** John Kraemer Peterson	<i>Madison, Wis.</i>
Elizabeth Mischel Flynn	<i>West Des Moines, Iowa</i>	Samuel Taylor Ringham	<i>Wanamingo, Minn.</i>
Braden Foster	<i>Wauconda, Ill.</i>	Nika Joan Schneider	<i>Ankeny, Iowa</i>
Brody Lee Gannon	<i>Granger, Iowa</i>	Joshua Matthew Scovill	<i>Woodbury, Minn.</i>
** Ryan Dean Gasper	<i>Peosta, Iowa</i>	Molly Jessica Segall	<i>Deerfield, Ill.</i>
Natalie V. Henriksen	<i>Pleasant Hill, Iowa</i>	* Gwyneth Margaret Smith	<i>Cedar Rapids, Iowa</i>
Jordan C. Hillock	<i>Nevada, Iowa</i>	Kacper A. Spiewak	<i>Chicago, Ill.</i>
Safie Agnes Jackson	<i>Des Moines, Iowa</i>	Samantha Lynn Strickler	<i>St. Petersburg, Fla.</i>
Henry C. Kerr	<i>Milan, Ill.</i>	* Carson J. Sup	<i>Norwalk, Iowa</i>
Kade Kolarik	<i>Indianola, Iowa</i>	** Victoria Ann Wood	<i>Cedar Rapids, Iowa</i>
* Serena Lynn Lowe	<i>Tama, Iowa</i>	Peter G. Woodruff	<i>Ames, Iowa</i>

* Cum Laude

** Magna Cum Laude

*** Summa Cum Laude

† Honors Program

Multiple Curricula and Majors

* Katherine Frances Jenkins Ames, Iowa
Event Management and Liberal Arts and Sciences:
Major in Public Relations

DEGREE RECIPIENTS FROM THE COLLEGE OF LIBERAL ARTS AND SCIENCES

BACHELOR OF ARTS

Major in Advertising

* Zahra Dousti Jeanine T. Gutka Gabrielle Elise Johnson	Irvine, Calif. Lisle, Ill. Algona, Iowa	** Zeke G. Seuser Christopher Carlyle Wells	Buckingham, Iowa West Des Moines, Iowa
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Major in Anthropology

Tyler Andre Remling	Marion, Iowa
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Major in Chemistry

* Nathan William Matthews	Clear Lake, Iowa
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Major in Communication Studies

David Aaron Carr Meredith Marie Haas Mario A. Lepe-Garcia	Canton, Ohio Brookfield, Wis. Red Oak, Iowa	Zane Brunk Miller Mitch John Recker * Jacob Bradley Remsburg	Ames, Iowa Cascade, Iowa West Des Moines, Iowa
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Major in Criminal Justice

Keaton Dean Allmon Anna Noelle Brechon Shamus Aeden Card Marcus Lamont Coleman *** Brenda Ngoc Dao * Racquel B. Gonzalez	Manilla, Iowa Bloomington, Minn. Audubon, Iowa Ames, Iowa Altoona, Iowa Adel, Iowa	Jarrold Bradley Hufford Robert James Martin Caleb Joseph Slagle Rhiannon B. Staker Mikayla M. Stillabower	Newark, Ohio Naperville, Ill. Marion, Iowa Ankeny, Iowa Ankeny, Iowa
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Major in English

Camryn Rhys Haffenden * Shelby Jane Heimer ** Trinity Ariel Jones	Marion, Iowa Ames, Iowa Ames, Iowa	* Madelyn Helen Landahl Thomas Sebastian Langenberg	St. Charles, Ill. Santa Cruz, Calif.
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Major in Music

*** Robert Andrew Wise	Coralville, Iowa
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Major in Performing Arts

Opal Delury Rustad	Des Moines, Iowa
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Major in Philosophy

Anna Marie Brown	Des Moines, Iowa
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* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Major in Political Science

Tatiana Ingrid Helene Aholou	Laval, Canada	James Quackenbush	Ankeny, Iowa
*** Seth James Kallestad	Des Moines, Iowa	Alexa Rodriguez Romero	Ankeny, Iowa
Cheyenne Lau	Peosta, Iowa		

Major in Psychology

**† Julius Clarence Bleske	Cornell, Wis.	Benjamin N. Nuckolls	Early, Iowa
Alysa Lauren Butler	Story City, Iowa	Claire Marie Siems	Solon, Iowa
Calista Marie Gonzales	Ventura, Calif.		

Major in Sociology

Abigail Lynn Ricke	Wauke, Iowa	Martina R. Valline	Grimes, Iowa
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Major in Women's and Gender Studies

Molly Paige Moe	Ames, Iowa
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Major in World Languages and Cultures (Spanish)

Jenna Michelle Althaus	Chanhassen, Minn.
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Multiple Curricula and Majors

** Daphne Elsie Brewer	Pekin, Ill.	** Kira Jane Frederick	Des Moines, Iowa
English and Women's and Gender Studies		English and Interdisciplinary Studies (Classical Studies)	
*** Suzy L. Fentress	Ames, Neb.	Adolphe Nimenya Simon	Des Moines, Iowa
Psychology and Sociology		Political Science and History	

BACHELOR OF LIBERAL STUDIES

Major in Liberal Studies

Alexandra Leigh Achey	Grimes, Iowa	Kedell D. Guevara	San Fernando, Trinidad and Tobago
Benjamin Lee Bechtel	Mason City, Iowa	Blake Demond Hinson	Deltona, Fla.
Charity Elizabeth Ben Abbas	Boone, Iowa	** Victoria Young Johnson	San Antonio, Tex.
Hadley Morgan Couch	Clive, Iowa	Quinton Joseph McGovern	Cedar Rapids, Iowa
Hala Majok Deng	Des Moines, Iowa	** Mitchell Dean Rasmussen	Fort Dodge, Iowa
** Laurena Thuy Do	Wauke, Iowa	Dustin Dean Reis	Perry, Iowa
Diante Maurice Garrett	Milwaukee, Wis.	* Dakota Michael Williams	Colo, Iowa

BACHELOR OF SCIENCE

Major in Anthropology

Seth A. Johnson	Omaha, Neb.	Trenton Paul McCaughey	Urbandale, Iowa
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* Cum Laude

** Magna Cum Laude

*** Summa Cum Laude

† Honors Program

Major in Biology

Lillian Rose Black	Superior, Iowa	Jennifer Lynne Mangel	Ashton, Iowa
Cheryl Ann Blackmer	Madrid, Iowa	Isabella Mathias	West Des Moines, Iowa
Haley J. Cox	Rockford, Ill.	* Nathan William Matthews	Clear Lake, Iowa
Caitlyn Rose Hughes	Dubuque, Iowa	Johnny Perez	Ponce, Puerto Rico
Clifford Roy Johnsen IV	Ames, Iowa	** Madison Schmidt	Ames, Iowa
Kira Anne Madsen	Savage, Minn.	Carson David Shearer	Orange City, Iowa

Major in Chemistry

Xuan Wang	Tianjin, China
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Major in Computer Science

Tyler Bryant Lund	Shakopee, Minn.	Kyle A. Quagliano	Algonquin, Ill.
Akmal Fahmi Mohamad Rafie	Seremban, Malaysia	Khanh N. Tran	Des Moines, Iowa

Major in Earth Science

Sidney R. Feckers	Williamsburg, Iowa
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Major in Economics

Samuel Conlin	Rosemount, Minn.	**† Miranda Allison Tze	Manchester, Mo.
Alec Moe	Waconia, Minn.	Reece William Wilson	Windsor, Colo.

Major in Environmental Science

** Ahna Logan Lassegard	Inver Grove Heights, Minn.
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Major in Genetics

** Andrea Leigh Tigges	De Soto, Iowa
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Major in Geology

Maria Claire Crawford	Independence, Iowa	* Karine Lee Holmes	Ames, Iowa
** Justin M. Glenn	Solon, Iowa	Jacob R. Kraemer	Marion, Iowa

Major in History

Joseph Morrison Chrostek	Casey, Iowa	Audrey Elizabeth Manor	Ankeny, Iowa
Casey Cowles Maccracken	Richmond Heights, Mo.	Maxwell Johan Sloan	Rock Hill, S.C.

Major in Journalism and Mass Communication

* Angelica Diaz	Marshalltown, Iowa	Aaron Andrew Hickman	Clear Lake, Iowa
Laura Marie Drummy	Ryan, Iowa	Jacob B. LaBau	Overland Park, Kans.
Cora E. Dunnwald	Des Moines, Iowa	*** Ana Carolina Vieira	
William Hans Glocker	Downers Grove, Ill.	Marasciulo	Rio de Janeiro, Brazil

Major in Mathematics

*† Faith Cornish	Eden Prairie, Minn.
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* Cum Laude
** Magna Cum Laude

*** Summa Cum Laude
† Honors Program

Major in Psychology

* Katherine L. Amberson	Olathe, Kans.	Sarah Jessica Heideman	Waterloo, Iowa
Mia Diane Barajas	Marshalltown, Iowa	** Kimberly T. Lam	Urbandale, Iowa
Mikaela M. Broich	Boone, Iowa	Anna Marie Lansing	Perry, Iowa
Justine Ann Eilander	Newton, Iowa	Lauren Nicole Lee	Edina, Minn.
Megan Renee Evans	Houston, Tex.	* Garrett Thomas Skalnik	Waukee, Iowa
Jose Anthony Freed	Cherokee, Iowa	Rebecca Taylor	Dubuque, Iowa
Andrew Gonyon	Crystal Lake, Ill.	Stephanie Lynn Wilson	Boone, Iowa

Major in Public Relations

Miranda Ann Karellas	Antioch, Ill.	Olivia K. Nuckles	Cambridge, Ill.
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Major in Statistics

Joseph Morrison Chrostek	Casey, Iowa	Ye Tian	Orange, Calif.
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Multiple Curricula and Majors

Rachael Grace Hayden	Spring Grove, Ill.	Megan Anne Smith	Edina, Minn.
Mathematics and Education		Environmental Science and Animal Ecology	
* Charles Steven Klepps	Billings, Mont.	Mackenzie Margaret Taylor	Urbandale, Iowa
Journalism and Mass Communication and Political Science		Anthropology and Interdisciplinary Studies (Classical Studies)	
Victoria Reyna-Rodriguez	Hurst, Tex.	Bryce J. Tegtmeier	Clarion, Iowa
Journalism and Mass Communication and Women's and Gender Studies		Economics and Political Science	
** Margaret Jean Smith	Minburn, Iowa		
Public Relations and International Studies			

* Cum Laude

** Magna Cum Laude

*** Summa Cum Laude

† Honors Program



Honorary Degree Recipients

HONORARY DEGREE RECIPIENTS

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

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

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

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

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

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

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

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

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

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

1897: James W. Wilson, Master of Agriculture. B.S., 1896, Iowa State; became U.S. Secretary of Agriculture; was the first of four Iowa State graduates to serve as U.S. Secretary of Agriculture.

1903: Robert B. Armstrong, Master of Philosophy.

1903: W. T. Hornaday, Master of Philosophy. World-famed naturalist and zoologist.

1907: J. C. Blair, Master of Agriculture.

1907: I. B. Schreckengast, Master of Philosophy.

1908: Virginia Corbett, Master of Philosophy. B.S., 1893, Iowa State; Dean of Women at Colorado State at Fort Collins.

1909: Norman J. Coleman, Doctor of Science.

1909: Seaman A. Knapp, Doctor of Science. Appointed president of Iowa State College from 1883-1885.

1909: James W. Robertson, Doctor of Science.

1914: Charles Keffer, Doctor of Science.

1914: George L. McKay, Doctor of Science. Recognized for his work in dairying.

1914: James Wilson, Doctor of Science.

1915: Marion Dorset, Doctor of Veterinary Medicine.

1915: LaVerne Noyes, Doctor of Engineering. B.S., 1872, Iowa State in the first graduating class.

1916: Clarence Henry Eckles, Doctor of Science. B.S., 1895, Iowa State; head of the Department of Dairy Husbandry Farms at St. Paul, Minnesota.

1916: Herbert Osborn, Doctor of Science. B.S., 1879, Iowa State; helped organize the Iowa Academy of Science.

1916: Willis Whited, Doctor of Engineering. B.S., 1879, Iowa State; bridge engineer in Pennsylvania with the State Highway Department.

1920: W. C. Armstrong, Doctor of Engineering. B.S., 1881, Iowa State; in charge of building the Northwestern Depot in Chicago.

1920: Joseph Charles Arthur, Doctor of Science. B.S., 1872, M.S., 1877, Iowa State, which was the first advanced degree from Iowa State; first librarian at Iowa State.

1920: Alfred Atkinson, Doctor of Science. B.S., 1904, Iowa State; president of Montana State College of Agriculture.

1920: Carlton R. Ball, Doctor of Science. B.S., 1893, Iowa State; agronomist with the USDA and an authority on plant rust.

1920: Isabelle Bevier, Doctor of Science. Head of the Department of Home Economics at the University of Illinois.

1920: Deon Eugene Davenport, Doctor of Science. Dean of the School of Agriculture at the University of Illinois.

1920: Arthur P. Davis, Doctor of Engineering. President of the American Society of Civil Engineers.

1920: Albert S. Hitchcock, Doctor of Science. B.S., 1884, Iowa State; agronomist in the U.S. Department of Agriculture.

1920: L. S. Klinek, Doctor of Science. President of the University of British Columbia.

1920: John R. Mohler, Doctor of Science. Chief of the Bureau of Animal Industry in the U.S. Department of Agriculture.

1920: Wilmon Newell, Doctor of Science. B.S., 1897, Iowa State; responsible for the eradication of the citrus canker in the U.S.

1920: R. A. Oakley, Doctor of Science. Agronomist in charge of seed distribution in the U.S. Department of Agriculture.

1920: Thomas L. Smith, Doctor of Engineering. Prominent mechanical engineer and inventor.

1921: Carrie Chapman Catt, Doctor of Laws. B.S., 1880, Iowa State; distinguished champion of the suffragist and peace movement and organizer of the League of Women Voters.

1922: Henry C. Wallace, Doctor of Laws. B.S., 1892, Iowa State; U.S. Secretary of Agriculture.

1925: George I. Christie, Doctor of Science. B.S., 1903, Iowa State; Under Secretary of Agriculture, U.S.D.A.

1925: Clyde W. Warburton, Doctor of Science. B.S., 1902, Iowa State; head of the Bureau of Plant Industry of the U.S.D.A. under James Wilson.

1926: Matt Luckiesh, Doctor of Science.

1928: George R. Chatburn, Doctor of Engineering. B.S., 1884, Iowa State; head of the Department of Civil Engineering at the University of Nebraska.

1928: W. K. Robbins, Doctor of Science. B.S., 1878, Iowa State; outstanding agricultural chemist.

1928: J. H. Shephard, Doctor of Agriculture.

1928: Edward A. Sherman, Doctor of Science. B.S., 1896, Iowa State.

1929: Clifford P. Fitch, Doctor of Science.

1929: Thomas H. MacDonald, Doctor of Science. B.S., 1904, Iowa State; first Secretary and Highway Engineer for the Iowa Highway Commission.

1932: John Hammond, Doctor of Science.

1932: A. J. Kluyer, Doctor of Science.

1934: Henry Agard Wallace, Doctor of Science. B.S., 1910, M.S., 1920, Iowa State; U.S. Secretary of Agriculture; was Vice President under Franklin D. Roosevelt; DAC recipient in 1964.*

1935: Duncan Marshall, Doctor of Agriculture.

1936: Ronald Alymer Fisher, Doctor of Science.

1936: Raymond Mollyneaux Hughes, Doctor of Laws. President of Iowa State from 1927 to 1936; his Handbook for College Trustees was well regarded.

1940: Maria M. Roberts, Doctor of Laws. B.S., 1890, Iowa State; professor of mathematics and dean of the Junior College at Iowa State.

1942: George Harrison Shull, Doctor of Science.

1942: Wilbur M. Wilson, Doctor of Engineering. B.S., 1900, Iowa State.

1944: Rush B. Lincoln, Doctor of Science.

1945: Milton Ferdinand Beecher, Doctor of Engineering. B.S., 1910, Iowa State; official in the Norton Company in Worcester, Massachusetts.

1945: Thomas Ray Stanton, Doctor of Agriculture.

1947: Mabel V. Campbell, Doctor of Science. Honorary degree conferred at the convocation celebrating 75 years of home economics at Iowa State. B.S., 1905, Iowa State.

1947: Hazel Steibling, Doctor of Science. Honorary degree conferred at the convocation celebrating 75 years of home economics at Iowa State. Chief of the Bureau of Human Nutrition and Home Economics, U.S.D.A.

1948: Anson S. Marston, Doctor of Engineering. First dean of engineering at Iowa State.

1948: Louis Bevier Spinney, Doctor of Science. B.S., 1892; B.S., 1893, Iowa State; taught physics and electrical engineering in the Beardshear administration; later became head of the Department of Physics.

1948: Lyle Ford Watts, Doctor of Agriculture. B.S., 1913, Iowa State; chief of the U.S. Forest Service.

1949: Earl Owen Shreve, Doctor of Engineering. B.S., 1904, Iowa State; vice president of General Electric.

1949: William Wesley Waymack, Doctor of Science. Editor of the Des Moines Register.

1951: Harry C. Murphy, Doctor of Engineering. President of the Burlington Railroad System.

1951: Edward Norris Wentworth, Doctor of Agriculture. B.S., 1907, M.S., 1909, Iowa State; faculty member at Iowa State College; distinguished historian of American livestock; author of American Sheep Trails.

1952: Roscoe C. Pollock, Doctor of Agriculture. B.S., 1913, M.S., 1921, Iowa State.

1952: Ruth Buxton Sayre, Doctor of Laws. Outstanding woman in Iowa agriculture; helped found Associated Country Women of the World; appointed by President Eisenhower to the Agricultural Advisory Committee in 1950; held posts in local, state and national Farm Bureau women's organizations.

1953: Ezra Taft Benson, Doctor of Agriculture. M.S., 1927, Iowa State; U.S. Secretary of Agriculture.

1953: Fred T. Whiting, Doctor of Engineering. B.S., 1913, Iowa State; vice president for Westinghouse Company in charge of the Northwest district.

1954: Thomas Roy Truax, Doctor of Agriculture. B.S., 1912, Iowa State; head of the Forest Products Division of the U.S.D.A. at Madison, Wisconsin; honorary degree conferred at the 50th anniversary of the Department of Forestry.

1955: Almon H. Fuller, Doctor of Engineering. Head of the Department of Civil Engineering at Iowa State.

1955: Bernard W. Hammer, Doctor of Agriculture. Involved in Dairy Bacteriology at Iowa State.

1956: John Foster Dulles, Doctor of Laws. U.S. Secretary of State.

1957: Belle Lowe, Doctor of Science.

Bureau of Home Economics, Washington, D.C., 1923-1924; food scientist and professor at Iowa State College from 1918 until retirement in 1956; recognized for research on preparation, quality, and preservation of poultry, meats, and fats; published textbook: Experimental Cookery.

1958: Henry Dale Bergman, Doctor of Science. D.V.M., 1910, Iowa State; dean of veterinary medicine, Iowa State.

1958: Ralph Kenneth Bliss, Doctor of Science. B.S., 1905, Iowa State; director of Agriculture and Home Economics Extension at Iowa State.

1958: Florence Alberta Fallgatter, Doctor of Science. Head of the Department of Home Economics Education at Iowa State.

1958: Charles Edwin Friley, Doctor of Science. Served as Acting President from 1935 to 1936; president from 1936-1953.

1958: Robert Earle Buchanan, Doctor of Science. B.S., 1904, Iowa State; dean of industrial science, head of the Department of Bacteriology, Dean of the Graduate College, and director of the Agricultural Experiment Station at Iowa State.

1958: John Walter Coverdale, Doctor of Science. Official in Rath Packing Company.

1958: Gertrude Mary Cox, Doctor of Science. B.S., 1929, Iowa State.

1958: Edward Bertram Evans, Doctor of Science. D.V.M., 1918, Iowa State; the centennial program carried the following, "Veterinarian, Agricultural Educator." DAC recipient in 1968.*

1958: Theodore V. Houser, Doctor of Science. B.S., 1915, Iowa State; president of Sears Roebuck and Co.

1958: Henry H. Kildee, Doctor of Science. B.S., 1908, M.S., 1917, Iowa State; head of the Department of Animal Husbandry and Dean of Agriculture, Iowa State.

1958: Allan Blair Kline, Doctor of Science. B.S., 1938, Iowa State; president of the American Farm Bureau.

1958: Beth Baily McLean, Doctor of Science. M.S., 1933, Iowa State; the centennial program carried the following, "Home Economist, Business Woman."

1958: James Lewis Morrill, Doctor of Laws. President of the University of Minnesota.

1958: George Waddel Snedecor, Doctor of Science. Organized the Statistical Laboratory; first head of the Department of Statistics.

* Distinguished Achievement Citation, the highest award granted to university alumni

1958: Fred R. White, Doctor of Science. Chief engineer for the Highway Commission.

1965: James H. Hilton, Doctor of Science. B.S., 1923, Iowa State; professor of animal husbandry, Purdue (1927-1945); president, Iowa State (1953-1965).

1991: Raymond F. Baker, Doctor of Humane Letters. B.S., 1935, Iowa State; director of research at Pioneer Hi-Bred International Inc.

1992: Norman Borlaug, Doctor of Humane Letters. 1970 Nobel Peace Prize recipient for work in developing wheat varieties.

1993: Thornton A. Wilson, Doctor of Science. B.S., 1943, Iowa State; President of the Boeing Company in 1968 and chairman of the board in 1972; DAC recipient in 1973.*

1993: Charles Concordia, Doctor of Science. One of the most distinguished power systems engineers in the world.

1994: George Washington Carver, Doctor of Humane Letters. B.S., 1894, M.S., 1896, Iowa State; first African-American Student at Iowa State; world renowned plant scientist.

1994: Hugh S. Sidey, Doctor of Humane Letters. B.S., 1950, Iowa State; staff member and columnist for Time magazine for more than 30 years; first recipient of James W. Schwartz Award for "Distinguished Service to Journalism and Mass Communication"; DAC recipient in 1972.*

1995: D. Gale Johnson, Doctor of Humane Letters. B.S., 1932, Ph.D., 1945, Iowa State; teacher and researcher of the agricultural economic problems in Russia and China; DAC recipient in 1995.*

1996: M. E. "Gene" Ensminger, Doctor of Humane Letters. Achievements for his work in animal science, education, and international agriculture.

1997: Simon Estes, Doctor of Humane Letters. Studied voice at the University of Iowa from 1956-1963; from 1964 to 1965 studied at the Julliard School of Music; distinguished faculty member at Julliard since 1986; recognized for extraordinary achievements in operatic music, philanthropy, and generosity to disadvantaged children; named Honorary Alumnus in 2007.

1997: Emery N. Castle, Doctor of Humane Letters. Ph.D., 1952, Iowa State; recognized for his outstanding achievements in agricultural economics helping to improve the quality of life in rural America.

1997: Edwin G. Krebs, Doctor of Science. Co-winner of the 1992 Nobel Prize in Physiology or Medicine; recognized for outstanding contributions in biochemistry and medicine.

1998: Federico Mayor, Doctor of Science. Recognized for his extraordinary achievements as a biochemist and for promoting peace in the Middle East and throughout the world.

2000: John Vincent Atanasoff, Doctor of Science. M.S., 1926, Iowa State; with the help of graduate student Clifford Berry, designed, assembled, and demonstrated the first electronic digital computer, the Atanasoff-Berry Computer, in the basement of Iowa State University's Physics Building; he remains an inspiration to generations of Iowa Staters with his legacy of inquiry and excellence in the physical sciences and engineering; DAC recipient in 1984.*

2000: Morris Soller, Doctor of Science. Recognized for leading the way in the actual discovery of genetic science.

2000: Jean Marie Dubois, Doctor of Science. One of the world's leading researchers in the area of quasicrystals; credited with fostering and guiding collaborative research on useful applications for quasicrystals, including a project involving scientists at Iowa State University and the Ames Laboratory.

2001: Keith R. Yamamoto, Doctor of Science. B.S., 1968, Iowa State; internationally known research scientist and a leader in national science policy; known for his breakthrough work on steroid hormone receptors; DAC recipient in 1997.*

2001: John Ruan, Doctor of Humane Letters. Chairman and CEO of The Ruan Companies, Des Moines; recognized for his generosity to the city of Des Moines, his home state of Iowa, and the international community; founder and ongoing supporter of the World Food Prize Foundation, publicizes the challenges of feeding the world and recognize significant advances in our capacity to produce, improve and distribute food.

2002: Katharine Abraham, Doctor of Science. B.S., 1976, Iowa State; occupied one of the most important professional positions in the U.S. government dealing with economic performance and economic policy, the Bureau of Labor Statistics; under her direction, the bureau improved its method for collecting employment statistics, initiated a program to collect data on job vacancies, and improved the way the Consumer Price Index is measured; DAC recipient in 1999.*

2002: Dr. M. Daniel Lane, Doctor of Humane Letters. Contributions to research in the fields of biochemistry and nutrition; international leader in understanding the development and mechanisms underlying obesity; contributed to development of appetite-controlling drug; ground-breaking work in insulin signaling and in mechanisms underlying diabetes.

2003: Roy Whistler, Doctor of Science. Ph.D., 1938, Iowa State; an internationally recognized leader in carbohydrate research for more than half a century; DAC recipient in 1999.*

2003: Joanne Eicher, Doctor of Humane Letters. Played a key role in developing an understanding of and respect for African textiles in this country.

2006: Vance Coffman, Doctor of Science. B.S., 1967, Iowa State; widely respected by the nation's military and civilian leaders, often sought for advice on national security goals; DAC recipient in 1999.*

2006: Graham B. Spanier, Doctor of Humane Letters. B.S., 1969, M.S., 1971, Iowa State; president of the Pennsylvania State University; known as one of the nation's premier leaders in higher education issues and helping universities meet the changing needs of the society and world; recipient of Distinguished Alumni Award in 2004.

2006: Monkombu Sambasivan Swaminathan, Doctor of Humane Letters. Ph.D. in plant genetics from Cambridge University; acclaimed by TIME magazine as one of the 20 most influential Asians of the 20th century and one of three from India, the others being Mahatma Gandhi and Rabindranath Tagore; considered a world leader in sustainable food security.

2006: Robert D. Ray, Doctor of Humane Letters. An attorney in Des Moines for 14 years; he served an unprecedented five terms as Governor of Iowa, from 1969-1983, served as a U.S. representative to the United Nations; named "Most Influential Iowan" at the turn of the century and holds honorary degrees from 17 colleges and universities.

2007: Robert Byron Bird, Doctor of Science. B.S., University of Illinois; Ph.D., Wisconsin; Vilas Professor Emeritus of chemical and biological engineering at the University of Wisconsin, Madison; known for five decades of books and research in chemical engineering and thermal science; Fulbright Lecturer and Guggenheim Fellow at Technische Universiteit, Delft, The Netherlands; Fulbright Professor at Kyoto University and Nagoya University, Japan; Fulbright Lecturer at the University of Sarajevo, Bosnia; and a visiting professor at universities in the United States, China, and Belgium.

2007: John Pappajohn, Doctor of Humane Letters. Founder and president of Equity Dynamics, Inc., and Pappajohn Capital Resources, a venture capital firm; director on more than 40 public and private boards; launched the Pappajohn Centers for Entrepreneurship at several Iowa colleges; Iowa Philanthropist of the Year Award in 1998, and Honorary Alumni of Iowa State University in 2005.

2008: Michael M. Crow, Doctor of Humane Letters. B.S., 1977, Iowa State; Ph.D., 1985, Maxwell School of Citizenship and Public Affairs, Syracuse University; president, Arizona State University; faculty member: University of Kentucky, Columbia University, Iowa State (1985-1991). Helped establish more than 15 applied research centers and technology transfer organizational structures and mechanisms. Involved with Institute for Physical Research and Technology (IPRT) and Center for Crops Utilization Research (CCUR). Served as senior adviser to U.S. Departments of State and Commerce on science and technology policy related to intelligence and national security; a Fellow of the National Academy of Public Administration; and member, Council on Foreign Relations.

2008: Kenneth M. Quinn, Doctor of Humane Letters. Graduate of Wahlert High School and Loras College; former U.S. Ambassador to the Kingdom of Cambodia; president, World Food Prize Foundation; member, American Foreign Service; member, Henry Kissinger's National Security Council; Special Assistant to Ambassador Richard Holbrooke; Narcotics Counselor at US mission to the United Nations in Vienna; humanitarian efforts on behalf of refugees; Chairman of the Inter-agency Task Force on POW/MIAs; and member of the US-Russia POW/MIA Commission.

2009: J. Dwayne McAninch, Doctor of Science. Founder, McAninch Corporation; adviser to the board of Caterpillar/Trimble Control Technologies, LLC; provided leadership for applying GPS technology to construction methods.

2009: Chan Koo Park, Doctor of Science. B.S., 1976, Iowa State; Chairman and CEO of chemical operations, Kumho Asiana Group; leader and innovator in the petrochemical industry; helped establish Asiana Airline, Kumho Express and Kumho Telecomm divisions; awards include: Gold Tower Industry Honor, Korea's highest corporate CEO award, Korea's Environment-Friendly Award, and several awards from the Office of the Korean President for contributions to the national economy, industry safety standards, labor relations, the environment and social responsibility.

2009: M. Patricia Quinlisk, Doctor of Science. B.S. University of Wisconsin, Stevens Point; Master of Public Health from Johns Hopkins University; and M.D. from the University of Wisconsin, Madison. Epidemiologist and Medical Director of the Iowa Department of Public Health for the state of Iowa.

2010: Harold L. Brock, Doctor of Science. Apprenticed with Henry Ford at the Ford Trade and Apprentice School at age 15 and became Henry Ford's personal engineer; founding member of the board of directors of Hawkeye Community College in Waterloo; the Brock Student Center at Hawkeye Community College named in his honor; Director of Tractor Research and later Manager of Product Engineering at the John Deere Waterloo Tractor Works; designed the Deere 4020 tractor and brought it into production in 1963; founding member and president of the Society of Automotive Engineers (SAE), Mississippi Valley Section; recipient of the Cyrus Hall McCormick-Jerome Increase Case Gold Medal from the ASABE.

2010: Jonathan D. Rich, Doctor of Science. B.S. Iowa State; Ph.D. University of Wisconsin; over 20 years of experience in the silicones industry, starting as a research chemist and progressing to CEO of the second-largest producer of silicones and silicone derivatives in the world; director of Momentive Performance Materials Inc. in June 2007; joined Goodyear Tire and Rubber Company in 2000, serving as director of chemical R&D, president of Goodyear Chemical, and in 2002 was named president, North American Tire, and Chairman of the Board, Goodyear Dunlop Tires NA; serves on Iowa State University's Institute for Physical Research and Technology (IPRT) Industrial Advisory Board.

2011: Harold Scheraga, Doctor of Science. B.S., 1941, City College of New York; A.M., 1942 and Ph.D., 1946 Duke University; one of the world's leading physical chemists working on macromolecules, primarily proteins and nucleic acids, member of the National Academy of Science and American Academy of Arts and Science, and a Fellow of the American Chemical Society, Biophysical society, and American Association for the Advancement of Science, six-time Fogarty Scholar of the National Institutes of Health. Four of his papers have been designated as "citation classics" by the journal Current Contents, and in the March 1982 issue, he was listed as the most frequently cited physical chemist in the world. In a 2009 ranking of the 2,000 most notable living chemists, he was ranked 11th

2011: Robert N. Shelton, Doctor of Science. B.S., Stanford University; M.S. and Ph.D., University of California; 19th president of the University of Arizona, affiliated with the Ames Laboratory of the U.S. Department of Energy at ISU, in 1987, he joined the faculty at the University of California, Davis, as professor and chair of the Department of Physics, was appointed Vice Chancellor for Research in 1990, and Vice Provost for Research of the University of California system in 1996, in 2001, he joined the University of North Carolina, Chapel Hill, as Executive Vice Chancellor and Provost, Dr. Shelton's research has focused on collective electron effects in novel materials, and he made many significant contributions to the advancement of superconductivity and superconductive materials.

2011: Benjamin J. Allen, Doctor of Humane Letters. B.S., Indiana University; M.S. and Ph.D., University of Illinois; president of the University of Northern Iowa since 2006; former professor, dean, vice president, and provost at Iowa State University from 1979 to 2006; and a member of the Washington State University faculty from 1974 to 1979, including a year as a Brookings Economic Policy Fellow in the U.S. Department of Transportation; nationally known researcher and educator in transportation and logistics, appointed by Iowa Governor Branstad to co-chair, the Iowa STEM (Science, Technology, Engineering and Mathematics) Advisory Council.

2012: George P. Belitsos, Doctor of Humane Letters. Founder and Chief Executive Officer of Youth and Shelter Services, Inc. (YSS). Headquartered in Ames, YSS is dedicated to helping communities prepare young people for the challenges of life by providing information services and tools to create healthier opportunities and outcomes for troubled youth.

2012: Daniel Gianola, Doctor of Science. B.S. 1970, Universidad de la Republica; M.S. 1973, Ph.D. 1975; University of Wisconsin – Madison. Sewall Wright Professor of Animal Breeding and Genetics at the University of Wisconsin, Madison. Dr. Gianola's research involves theory and applications of quantitative genetics to animal breeding, and it has had a profound impact on the analysis of animal breeding data.

2012: James L. Barnard, Doctor of Science. B.S. University of Stellenbosch and University of Pretoria; M.S. University of Texas; Ph.D. Vanderbilt University. Global Practice and Technology Leader for Black and Veatch, an international engineering, consulting and construction company in energy, water, telecommunications, and management consulting projects with more than 100 offices worldwide; one of the world's leading environmental engineers.

2013: Peggy A. Whitson, Doctor of Science. B.S. Iowa Wesleyan College; Ph.D. Rice University. National Research Council Resident Research Associate at NASA's Johnson Space Center. She joined NASA as a research biochemist in 1989. Later became a NASA astronaut, space mission commander, and chief of the NASA Astronaut Corps; included two extended periods in space aboard the International Space Station (ISS), serving as NASA's first Science Officer on her first mission and as commander of the second mission. The first mission (2002), lasted 185 days and included a nearly four and one-half hour spacewalk to install and check equipment. Her second space mission (2007), lasted 192 days.

2014: Stephen J. Rapp, Doctor of Humane Letters. B.A. Harvard; J.D. Drake University. Appointed U.S. attorney in the Northern District of Iowa, serving from 1993-2001. In 2001, he led the prosecution of the "media trial" following the 1994 Rwandan genocide. He then served as chief prosecutor of the Special Court for Sierra Leone. In 2009, he was appointed by President Obama as U. S. ambassador-at-large for war crimes issues in the Office of Global Criminal Justice.

2015: Dame DeAnne Julius, Ph.D., Doctor of Humane Letters. B.S. Iowa State University; M.A. and Ph.D. University of California, Davis. International economist, served as economic analyst for the U.S. Central Intelligence Agency and project economist for the World Food Bank. Named by Queen Elizabeth, II to Commander of the Most Excellent Order of the British Empire for national civilian service; and Dame Commander in the Most Distinguished Order of Saint Michael and Saint George. Serves as chair of the Governing Council of the University College London.

2015: Eugene G. Sukup, Doctor of Science. Founder of Sukup Manufacturing Co., largest family-owned, full-line grain drying and storage equipment manufacturer. Entrepreneur and civic minded philanthropist with more than 80 U.S. patents. Innovative inventor dedicated to solving food grain production problems and also helping to feed and clothe people around the globe.

2016: Ernest Moniz, Doctor of Science. B.S. Boston College; Ph.D. Stanford University, and honorary degrees from the University of Athens, the University of Erlangen-Nuremberg, Michigan State University and Universidad Pontificia de Comillas. As U.S. Secretary of Energy, he was tasked with implementing critical Department of Energy missions in support of President Obama's goals of growing the economy, enhancing security and protecting the environment. Prior to his appointment, he served as Under Secretary of the Department of Energy and was the Cecil and Ida Green Professor of Physics and Engineering Systems at the Massachusetts Institute of Technology (MIT), where he was a faculty member since 1973.

2017: Dennis A. Muilenburg, Doctor of Science. B.S. Iowa State University; M.S. University of Washington. Chairman of the board, president and chief executive officer of The Boeing Company. Fellow of the American Institute of Aeronautics and Astronautics (AIAA) and the Royal Aeronautical Society. He oversees the strategic direction of the Chicago-based, \$94.6 billion aerospace company. With more than 150,000 employees across the U.S. and in more than 65 countries.

2018: Dwight Ink, Doctor of Humane Letters. B.S. Iowa State University. Ink, a native Iowan and the first Iowa State student to earn a degree in government, is an accomplished civil servant with extraordinary and outstanding contributions to numerous federal agencies, as well as the author of two books on governing, and has been a trusted advisor to seven U.S. presidents.

2018: Jon Kinzenbaw, Doctor of Science. Kinzenbaw, chief executive officer and chairman of the board for Kinze Manufacturing Inc. in Williamsburg, Iowa, is an accomplished Iowa farmer, inventor, manufacturer, and entrepreneur. Kinzenbaw has produced a stream of successful innovations to agricultural mechanization, resulting in 37 patents and numerous award and honors for his achievements.

2018: Theaster Gates, Doctor of Humane Letters. B.S. and M.S. Iowa State University; M.F.A. University of Cape Town in South Africa. Gates, is an acclaimed artist and innovator in urban revitalization and planning. As an artist, he creates work that focuses on space theory and land development, sculpture, and performance. Drawing on his interest and training in urban planning and preservation, he redeems spaces that have been left behind, bringing the conversation of space to the forefront of contemporary art practice to bridge the gap between art and life. Known for his recirculation of art-world capital, Gates' work explores the possibility of "life within things."

2019: Robert A. Easter, Doctor of Science. B.S. and M.S. Texas A&M University; Ph.D. University of Illinois. Easter is President Emeritus of the University of Illinois, having served the institution for 42 years. In addition to his work on campus, Easter also served his country and his community. He was a member of the U.S. Army Reserves for 20 years. President George W. Bush appointed him to Chair the Board on International Food and Agricultural Development. He also served on the Chicago Council on Global Affairs committee assigned to develop recommendations for the U.S. Farm Bill in 2002 and 2008. Easter chaired the Task Force on Antibiotic Resistance. He has advised two USAID international agricultural development projects.

2021: H. Allen Myers, Doctor of Science. B.S. and M.S. University of Illinois. President and founder of Ag Leader Technology, Inc. in Ames, Iowa, the largest privately-owned supplier of precision farming technology, produces more than two-thirds of the grain yield measuring sensors made in the world with a catalog of seven product lines of equipment and services. Innovative inventor, product developer, entrepreneur, and holder of 16 U.S. patents and two foreign patents.

2022: Beth Ford, Doctor of Humane Letters. B.S. Iowa State University; MBA Columbia University Business School. President and CEO of Land O'Lakes, Inc. since August 2018, a Fortune 200 food production and agribusiness company that is also a 100-year-old farmer-owned cooperative. Recognized by Fortune as one of the World's 50 Greatest Leaders and Most Powerful Women, she is a passionate advocate for farmers and rural communities, working to drive public policy and investment in critical issues like access to health care, quality education, and broadband internet. Member of the Board of Directors for the Business Roundtable; BlackRock, the world's largest asset manager; Fortune 150 company PACCAR, Inc. and numerous other industry, non-profit and university boards

2022: Subra Suresh, Doctor of Science. BTech

Indian Institute of Technology; M.S. Iowa State University; Ph.D. Massachusetts Institute of Technology. President of Nanyang Technological University, Singapore since January 2018. President of Carnegie Mellon University from 2013-2017. Appointed by President Obama to serve as director of the National Science Foundation from 2010-2013. A member of all three National Academies: Institute of Medicine (2013), National Academy of Science (2012), and National Academy of Engineering (2002). Member of the American Academy of Arts and Sciences and the National Academy of Inventors. He researches the properties of engineered and biological matters, and their connections to human diseases. He has authored 300 research articles and three books and filed 25 patent applications.

2022: Daniel Houston, Doctor of Humane

Letters. B.S., 1984, Iowa State. Houston, chairman, president, and CEO of Principal Financial Group since 2015, a Fortune 250 company based in Des Moines that serves 32 million customers in more than 80 nations. An accomplished business and community leader and steadfast advocate for financial education, he is former chair of the American Council of Life Insurers, and a member of the esteemed Business Roundtable. Houston is also a champion for diversity in the workplace, leading to Principal Financial Group being named annually as one of the world's most ethical companies.

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)