



# FALL COMMENCEMENT

FRIDAY, DECEMBER 17, 2021  
SATURDAY, DECEMBER 18, 2021

IOWA STATE UNIVERSITY

## *Dear Iowa State University Graduates and Guests:*

*Congratulations to all of the Fall 2021 graduates of Iowa State University!*



*Welcome to Iowa State University's Fall 2021 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 163rd 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 18, 2021.  
Listing in this program is not proof of graduation.*

## THE OFFICIAL UNIVERSITY MACE

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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

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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.

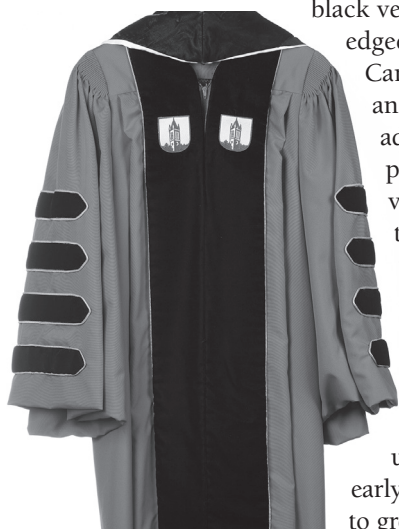


## ACADEMIC REGALIA

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

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



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

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

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

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

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

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

Agriculture and Life Sciences – *Maize*

Business – *Nugget*

Design – *Brown*

Engineering – *Orange*

Human Sciences – *Maroon*

Liberal Arts and Sciences

Bachelor of Arts – *White*

Bachelor of Liberal Studies – *White*

Bachelor of Music – *Pink*

Bachelor of Science – *Golden Yellow*

Veterinary Medicine – *Gray*

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

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

## HOODING CEREMONY, DOCTOR OF PHILOSOPHY

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

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

fields whose research has contributed significantly to human knowledge.

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

## SPECIAL RECOGNITION, ADVANCED DEGREES

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

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

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

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

- § Research Excellence Award
- †† Teaching Excellence Award

## SPECIAL RECOGNITION, UNDERGRADUATE DEGREES

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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 2021

Graduate College  
Commencement Ceremony  
7:00 p.m., Friday, December 17, 2021  
James H. Hilton Coliseum

# GRADUATE COLLEGE COMMENCEMENT PROGRAM

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**7:00 p.m., Friday, December 17, 2021, 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  
Grant Becker, Vocalist

**Opening Remarks** President Wendy Wintersteen

**Commencement Address** Lisa Schulte Moore,  
Professor of Natural Resource Ecology and Management;  
and 2021 MacArthur Fellow, Iowa State University

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

**Conferring of the Degree Doctor of Philosophy** 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 2021 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  
Grant Becker, Vocalist

**Recessional**

*La Mourisque*..... Tylman Susato



# GRADUATE COMMENCEMENT CEREMONY

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## Platform Officials

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Wendy Wintersteen, President of the University  
Dr. Lisa Schulte Moore, Professor of Natural Resource Ecology and Management in the College of Agriculture and Life Sciences and Associate Director of the Bioeconomy Institute at Iowa State University; 2021 Ecological Society of America Fellow; and 2021 MacArthur Fellow and Commencement Speaker  
Sherry Bates, 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  
Charles Small, Interim Vice President for Diversity, Equity, and Inclusion  
Dawn Bratsch-Prince, Associate Provost for Faculty  
Ann Marie VanDerZanden, Associate Provost for Academic Programs  
Sharron Evans, Associate Vice President for Student Affairs; and Dean of Students  
Jeffery Johnson, Lora and Russ Talbot Endowed President and Chief Executive Officer of the Iowa State University Alumni Association  
Andrea Wheeler, Associate Professor of Architecture and Faculty Senate President  
Jennifer Suchan, University Registrar

Jonathan Wickert, Senior Vice President and Provost  
William Graves, Dean of the Graduate College; and Professor of Horticulture  
Luis Rico-Gutierrez, Dean of the College of Design; 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  
Dan Grooms, Stephen G. Juelsgaard Endowed Dean of the College of Veterinary Medicine; and Professor of Veterinary Diagnostic and Production Animal Medicine  
Leslie Hogben, Associate Dean for Graduate Studies and Faculty Development in the College of Liberal Arts and Sciences; and Professor of Mathematics  
Scott Johnson, Interim Associate Dean for Research in the Ivy College of Business; Associate Professor of Management and Entrepreneurship; and Thome Professor in Business  
Hilary Seo, Dean of Library Services; and Associate Professor of Library Services

## Presenting Professors

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Iver Anderson, Ames Laboratory of US DOE  
Ashraf Bastawros, Aerospace Engineering ✧✧  
Sarah Bentil, Mechanical Engineering  
C. Lee Burras, Agronomy ☞ ✧  
Petruta Carmen Caragea, Statistics  
Joel Coats, Entomology  
Eric Cochran, Chemical and Biological Engineering ✧✧  
Jun Cui, Materials Science and Engineering  
Stephen Dinsmore, Natural Resource Ecology and Management  
Karen Dorman, Statistics  
Michael Dorneich, Industrial and Manufacturing Systems Engineering  
Yuji Furukawa, Physics and Astronomy  
Bask Ganapathysubramanian, Mechanical Engineering ✧✧  
Phillip Gauger, Veterinary Diagnostic and Production Animal Medicine  
Alcira Susana Goggi, Agronomy  
Stephanie Hansen, Animal Science

Heike Hofmann, Statistics  
Adina Howe, Agricultural and Biosystems Engineering  
Guiping Hu, Industrial and Manufacturing Systems Engineering  
Hui Hu, Aerospace Engineering ✧✧  
Laura Jarboe, Chemical and Biological Engineering ✧✧  
Eunha Jeong, Apparel, Events, and Hospitality Management  
David Jiles, Electrical and Computer Engineering † ✧  
Jacek Adam Koziel, Agricultural and Biosystems Engineering  
Ratnesh Kumar, Electrical and Computer Engineering ✧✧  
Buddhi Lamsal, Food Science and Human Nutrition  
John Michael Levis, English  
Surya Mallapragada, Chemical and Biological Engineering † ✧  
Jennifer Margrett, Human Sciences Administration  
Aubrey Mendonca, Food Science and Human Nutrition  
Wyatt Allen Miller, Plant Pathology and Microbiology

## Presenting Professors, continued

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Ralph Edward Napolitano, Materials Science and Engineering  
Balaji Narasimhan, Chemical and Biological Engineering † †  
Say Ong, Civil, Construction and Environmental Engineering  
Nir Keren, Agricultural and Biosystems Engineering  
Daji Qiao, Electrical and Computer Engineering  
Hridesh Rajan, Computer Science † †  
Chris Robert Rehmann, Civil, Construction and Environmental Engineering † †  
Nigel Forest Reuel, Chemical and Biological Engineering  
Jose Antonio Rosa, Marketing  
Aaron James Rossini, Chemistry  
James Rossmanith, Mathematics  
David Howard Sanders, Civil, Construction and Environmental Engineering † †  
Soumik Sarkar, Mechanical Engineering  
Vernon Schaefer, Civil, Construction and Environmental Engineering † †  
Stephan Schmitz-Esser, Animal Science  
Zengyi Shao, Chemical and Biological Engineering  
Anuj Sharma, Civil, Construction and Environmental Engineering † †

Igor Ivan Slowing, Chemistry  
Scott Smalley, Agricultural Education and Studies  
Elizabeth Stegemoller, Kinesiology  
Sriram Sundararajan, Mechanical Engineering  
Wallapak Tavanapong, Computer Science  
Jean-Philippe Tessonier, Chemical and Biological Engineering † †  
Thimmasettapp Thippeswamy, Biomedical Sciences  
James Vary, Physics and Astronomy  
Eric Weber, Mathematics  
Jonathan Wendel, Ecology, Evolution and Organismal Biology †  
Eliot Winer, Mechanical Engineering  
Susan Wohlsdorf-Arendt, Apparel, Events, and Hospitality Management  
Peter Thomas Wolter, Natural Resource Ecology and Management  
Eve Syrkin Wurtele, Genetics Development and Cell Biology  
Qijing Zhang, Veterinary Microbiology and Preventative Medicine †  
Wendong Zhang, Economics  
Yan Zhao, Chemistry

## Faculty Marshals

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C. Lee Burras, Morrill Professor of Agronomy,  
College of Agriculture and Life Sciences ☞ †  
John Cunnally, Professor of Art and Visual Culture,  
College of Design †  
Carolyn Cutrona, Distinguished Professor of Psychology;  
and Associate Dean of the Graduate College,  
College of Liberal Arts and Sciences †  
Tim Derrick, Professor of Kinesiology,  
College of Human Sciences †  
Michael Martin, Associate Professor of Landscape  
Architecture,  
College of Design †  
Donna Niday, Associate Professor of English,  
College of Liberal Arts and Sciences

Jon Perkins, Associate Professor of Accounting,  
Ivy College of Business  
Frank Peters, Associate Professor and C. G. “Turk” and  
Joyce A. Therkildsen Professor of Industrial and  
Manufacturing Systems Engineering; and Director of  
the Study Abroad Center,  
College of Engineering † †  
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

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Hollis Monroe

Sriram Sundararajan

## **Musicians**

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CONDUCTOR

**Michael Golemo, Director of Bands**

STUDENT VOCALIST

**Grant Becker**

EUPHONIUM

**Grant Bielecki**

PERCUSSION

**Nicholas Bahr**

**Eric Paskach**

TRUMPET

**Hope Anderson**

**Caleb Burken**

**Derek Friederich**

**Rebecca Gomez**

**Ben Kovarna**

**Zach Olesen**

TUBA

**Sam Hauser**

**Peter Jaynes**

HORN

**Sean Lockard**

**Nathan Morton**

**Lydia Stanley**

**Logan TeKolste**

TROMBONE

**Andrew Flory**

**Levi Frazier**

**Kyle Grossnickle**

**Adam Lappin**

## GRADUATE COLLEGE COMMENCEMENT SPEAKER

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**Lisa Schulte Moore, Professor of Natural Resource Ecology and Management and Associate Director of the Bioeconomy Institute, Iowa State University; and 2021 Ecological Society of America Fellow; and 2021 MacArthur Fellow**

Dr. Lisa Schulte Moore conducts research and teaches in the areas of agriculture, ecology, forestry, and human-landscape interactions. Her research addresses



the strategic integration of perennials into agricultural landscapes to support new markets and to meet societal goals for healthy soils, clean water, abundant wildlife and inspiring recreational opportunities. She engages in transdisciplinary science collaborations toward meeting the grand societal challenge of sustainably providing food and

energy to the 10 billion people on a livable planet.

Dr. Schulte Moore is co-founder of the Science-based Trials of Rowcrops Integrated with Prairie Strips (STRIPS) project, which developed the prairie strips conservation practice. She is also lead developer of People in Ecosystems/Watershed Integration (PEWI), a simple web-based educational game designed to help people understand human impacts on the environment and improve the management of natural resources; and directs C-Change, an Iowa State University of Science and Technology Presidential Interdisciplinary Research Initiative and United States Department of Agriculture National Institute for Food and Agriculture Sustainable Agricultural Systems project.

Dr. Schulte Moore has published more than 100 scientific and educational articles. Her honors include the Iowa State University Early Career Award in Teaching (2007), Teaching Award of Merit from the North American Colleges and Teachers of Agriculture (2007), Stanford University Leopold Leadership Fellow (2013), Kavli Frontiers of Science Fellow (2014), University of Minnesota Duluth Academy of Science and Engineering Inductee (2017), Des Moines Business Record/Ivy College of Business innovationENTREPRENEUR Award (2020), Ecological Society of America Fellow (2021), and MacArthur Fellow (2021). Along with her colleagues on the STRIPS team, she received the Soil and Water Conservation Society's Conservation Innovation Award in 2020 for their development of prairie strips. Her research has been covered by the BBC, National Public Radio, New York Times, and The Washington Post, among other news outlets. In 2021, Dr. Schulte Moore was selected to serve on the agriculture workgroup of Governor Reynolds' Carbon Sequestration Task Force.

Dr. Schulte Moore earned a B.S. in biology from the University of Wisconsin-Eau Claire, an M.S. in biology from the University of Minnesota-Duluth, a Ph.D. in forestry from the University of Wisconsin-Madison, and served as a post-doctoral associate with the U.S. Forest Service. She joined Iowa State University of Science and Technology in 2003. She lives in Ames, Iowa, with her husband and two sons. They also spend time at their family farm near Strum, Wisconsin.

## GRADUATE COLLEGE STUDENT MARSHAL

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### **Guliz Tokadli**

*Hometown: Istanbul, Turkey*

*Majors: Industrial Engineering and Human Computer Interaction*



Guliz Tokadli's academic record in coursework and research is outstanding. Guliz's research blended engineering and psychology to optimize the performance of teams of humans and automated systems, with applications for air travel, outer-space exploration and video games.

She co-authored 13 research publications and was recognized by the Graduate College with the Research Excellence Award in 2019.

Guliz led the Turkish Student Association and was an officer of the Student Association of Astronautics and Aeronautics Engineering. She's begun an exciting career in industry focused on automated-driving vehicles.

*University Escort: Michael Dorneich, Associate Professor, Industrial and Manufacturing Systems Engineering*

# CANDIDATES FOR DEGREES FROM THE GRADUATE COLLEGE

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## DOCTOR OF PHILOSOPHY

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### Major in Aerospace Engineering

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Vishal Vinod Raul                      *Mumbai, India*  
DISSERTATION: Optimum aerodynamic design for  
dynamic stall risk mitigation

†† Linchuan Tian                      *Jishou, China*

### Major in Agricultural and Biosystems Engineering

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§ Baitong Chen                      *Ames, Iowa*  
DISSERTATION: Evaluation of biochar as a manure  
additive for mitigation of gaseous emissions from  
deep pit swine storage structures

§ Tianjian Tong                      *Changchun, China*  
Emily Rose Waring                      *Omaha, Neb.*

### Major in Agricultural Education

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†† Kevin Ward Sanders                      *Trinity, Ala.*

### Major in Animal Science

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Katie Jean Heiderscheit                      *Arenzville, Ill.*

§ Elizabeth Marie Messersmith                      *Phillips, Neb.*

### Major in Apparel, Merchandising, and Design

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Kelcie Shaelyn Slaton                      *Bowie, Tex.*

Danielle Sponder Testa                      *Los Angeles, Calif*

### Major in Applied Linguistics and Technology

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§ Ivana Rehman                      *Pljevlja, Montenegro*  
DISSERTATION: Real-time formant extraction for  
second language vowel production training

Alif Owen Silpachai                      *Los Angeles, Calif.*

### Major in Applied Mathematics

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Caleb Logemann                      *Earlham, Iowa*

### Major in Biochemistry

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Reid Franklin Brown                      *Clive, Iowa*  
Kenna Elise Stenback                      *Ames, Iowa*  
DISSERTATION: Molecular genetic characterization  
of plant fatty acid elongase catalytic components

Denis Danilovich Tamiev                      *Yekaterinburg, Russia*  
DISSERTATION: Evaluating heterogeneity of  
engineered *B. subtilis* endospores for time-  
delayed protein production

### Major in Bioinformatics and Computational Biology (Predictive Plant Phenomics)

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Schuyler Dean Smith                      *Hinsdale, Mass.*  
DISSERTATION: Characterization of environmental  
microbiomes impacted by Iowa agriculture

## Major in Biomedical Sciences (Physiology)

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††§ Nyzil Massey *Chamba, India*

## Major in Business and Technology (Management Information Systems)

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Argha Ray *Kolkata, India*  
DISSERTATION: Societal impact of technologies

## Major in Business and Technology (Marketing)

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§ Veronica Martin Ruiz *Almunecar, Spain*  
DISSERTATION: Culture and gender effects on how healthcare consumers respond to adverse medical diagnoses

## Major in Chemical Engineering

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Marco Nazareno Dell'Anna *Forli Del Sannio, Italy*  
DISSERTATION: Hybrid organic electrosynthesis: Investigation of reaction mechanism and parameters for enhanced production of novel bio-derived chemicals

Shailja Goyal *Jaipur, India*  
§ Miguel C. Santoscoy *Tijuana, Mexico*  
DISSERTATION: Rational membrane engineering for development of industrial platform biocatalysts

## Major in Chemistry

---

†† Alan M. Medina-Gonzalez *St. Paul, Minn.*

Biying Zhang *Luoyang, China*  
DISSERTATION: Noble metal atoms and clusters supported on metal-organic frameworks: Structure characterization and heterogeneous catalysis

## Major in Civil Engineering (Civil Engineering Materials)

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Maxwell David Staver *Waterloo, Iowa*  
DISSERTATION: Implementation of soybean derived additives in asphalt applications for improved performance

## Major in Civil Engineering (Construction Engineering and Management)

---

Jessica Talbot *Danville, Calif.*

## Major in Civil Engineering (Environmental Engineering)

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Fawzan M. Alfawzan *Burydah, Saudi Arabia*  
DISSERTATION: Wind energy resource assessment and micro-siting and control optimization

†† Sina Moharramzadeh *Tehran, Iran*  
Rayla Pinto Vilar *Campina Grande, Brazil*  
DISSERTATION: Biocementation of soils through calcium carbonate precipitation using microbial catalysis

## Major in Civil Engineering (Intelligent Infrastructure Engineering)

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Yicheng Yang *Ames, Iowa*  
DISSERTATION: Development of general-purpose data curing platform for big incomplete data in infrastructure engineering and broad science

Ning Zhang *Penglai, China*

## Major in Civil Engineering (Structural Engineering)

---

Mohammed Bazroun *Jeddah, Saudi Arabia*  
DISSERTATION: Flexible and interpretable  
generalization of self-evolving computational  
materials framework

Kofi Oppong  
Li-Wei Tsai

*New Tafo Akim, Ghana*  
*Taichung City, Taiwan*

§ Rizwan Karim *Gilgit Baltistan, Pakistan*  
Abhijit Kulkarni *Pune, India*  
DISSERTATION: True label inference from  
heterogeneous data sources in Natural Language  
Processing

## Major in Computer Engineering (Secure and Reliable Computing)

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Ameerah Muhsinah Jamil *Asajaya, Malaysia*

## Major in Computer Engineering (Software Systems)

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Seyed Vahid Sanei Mehri *Ames, Iowa*

## Major in Computer Science

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Lei Liu *Tianshui, China*  
DISSERTATION: Supertree construction with  
display graphs and dynamic graph connectivity

Xiaoqian Mu  
Lei Qi

*Dezhou, China*  
*Zhengzhou, China*

## Major in Condensed Matter Physics

---

Kyungchan Lee *Chuncheon, South Korea*  
DISSERTATION: Electronic properties of  
quantum materials studied by angle-resolved  
photoemission spectroscopy

Khusboo Rana

*Lalitpur, Nepal*

DISSERTATION: Magnetic correlations in quantum  
materials: NMR study of FeSe(1-x)S(x) and  
LaCrGe(3) under pressure

§ Zhaoyu Liu *Shandong, China*  
DISSERTATION: Ultrafast spectroscopy and imaging  
of perovskite photovoltaic material

Jyotisman Charanasrita Sahoo *Bhadrak, India*  
DISSERTATION: Study of classical and quantum  
models on the stuffed honeycomb lattice

## Major in Crop Production and Physiology

---

††§ Virginia Anne Nichols *Canon City, Colo.*  
DISSERTATION: Anything but simple: Using  
models and field studies to explore the effects  
of cropping system diversification in the upper  
Midwestern United States

## Major in Crop Production and Physiology (Seed Science)

---

Chad Louis Kimmelshue *Durham, Calif.*  
DISSERTATION: Effect of seed size, planting depth,  
and hybrid on the emergence, grain quality, and  
drying of maize (*Zea Mays* L.) in a perennial  
groundcover and bare soil system

## Major in Crop Production and Physiology (Weed Science)

---

§ Ramawatar Yadav *Jaipur, India*  
DISSERTATION: Multi-tactic ecological strategies  
to manage *Bassia scoparia* and *Amaranthus*  
*tuberculatus* in the cropping systems of Great  
Plains and Midwestern U.S.



---

**Major in Ecology and Evolutionary Biology**

---

§ Nathaniel Lawrence

Monticello, Ill.

Jermaine Mahguib

Fontana, Calif.

---

**Major in Economics**

---

Santiago Acerenza Fleitas

Montevideo, Uruguay

---

**Major in Education (Curriculum and Instructional Technology)**

---

Pinar Melek Celik

Cedar Rapids, Iowa

DISSERTATION: Examination of the applied instructional design process in transforming tacit knowledge into explicit knowledge through communities of practice

---

**Major in Electrical Engineering**

---

Gang Wu

Huanggang, China

---

**Major in Electrical Engineering (Bioengineering)**

---

†† Le Wei

Ames, Iowa

DISSERTATION: Narrowband absorption infrared devices: Design, fabrication, and sensing applications

---

**Major in Electrical Engineering (Communications and Signal Processing)**

---

Qi Xiao

Ganzhou, China

---

**Major in Electrical Engineering (Electric Power and Energy Systems)**

---

§ Alok Kumar Bharati

Hyderabad, India

DISSERTATION: Scalable modeling of future-grids under high penetration of distributed energy resources through multi-timescale T&D co-simulation

---

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

---

Chao Liu

Xuzhou, China

DISSERTATION: Influence of antenna pattern on synthetic aperture radar (SAR) imaging and complex permittivity extraction from images of multilayered media

---

**Major in Electrical Engineering (Microelectronics and Photonics)**

---

Yueyi Jiao

Ames, Iowa

---

**Major in Electrical Engineering (Very Large Scale Integration)**

---

Hao Meng

---

**Major in Food Science and Technology**

---

Jiahui Xie

Shantou, China

DISSERTATION: Exploitation of microalgae for biotechnological applications



## Major in Forestry

---

Bina Thapa

*Baglung, Nepal*

## Major in Genetics and Genomics

---

Justin Lee Conover

*Pattonburg, Mo.*

§ Pulkit Kanodia

*Kanpur, India*

DISSERTATION: Molecular evolution following  
allopolyploidization in *Gossypium*

## Major in Genetics and Genomics (Predictive Plant Phenomics)

---

James P. McNellie

*Flat Rock, N.C.*

## Major in Gerontology

---

Lauren Rose Stratton

*Ankeny, Iowa*

## Major in Hospitality Management

---

William Richard Knapp

*Columbia, S.C.*

Nelson M. Placa

*Orlando, Fla.*

Jessica Katherine Nigg

*Peoria Heights, Ill.*

DISSERTATION: Food allergy policies, procedures,  
motivators and barriers related to following food  
allergy practices in Metro Orlando restaurants

DISSERTATION: The intersection of healthcare and  
hospitality: Exploring foodservice satisfaction in  
long-term care residents

Heelye Park

*Seoul, South Korea*

DISSERTATION: Revisiting a destination image  
model in the social media context with the  
moderator of social distance from a construal  
level perspective

## Major in Human Computer Interaction

---

Melynda Tess Hoover

*White Bear Lake, Minn.*

Kelly Jo Kalvelage

*Des Moines, Iowa*

DISSERTATION: Adaptive XR training systems  
design, implementation, and evaluation

## Major in Human Development and Family Studies

---

†† Chia-Feng Chen

*Taichung City, Taiwan*

DISSERTATION: Positive parenting practices, child  
competence, and adolescent desistance from  
delinquency: Attachment and transactional  
effects

## Major in Industrial Engineering

---

§ Faezeh Akhavadegan

*Ames, Iowa*

§ Chih-Yuan Chu

*Taichung City, Taiwan*

DISSERTATION: Integration of machine learning  
and optimization for decision making under  
uncertainties with applications in agriculture and  
power system

## Major in Inorganic Chemistry

---

†† Patrick Heintz

*Marcy, N.Y.*

Pranjali Jayavant Naik

*Thane, India*

DISSERTATION: Controlling activity of palladium-  
catalyzed reactions via supported materials

## Major in Materials Science and Engineering

---

Samuel Edward John Wolf *Denison, Iowa*  
DISSERTATION: Magnetocaloric materials for hydrogen liquefaction produced by rotating disk atomization

## Major in Mathematics

---

†† Lee Przybylski *Cedar Falls, Iowa*

## Major in Mechanical Engineering

---

Ahmad M. Fallatah *Ames, Iowa*  
Boshun Gao *Zhenjiang, China*  
DISSERTATION: Design and applications of a scalable immersogeometric framework based on octree  
Nathaniel Garland *Gainesville, Fla.*  
DISSERTATION: Laser-induced graphene for scalable flexible biosensing

†† Parinaz Hafezisefat *Ames, Iowa*  
DISSERTATION: Lignin valorization into bio-based chemicals and fuels  
Yu Hui Lui *Muar, Malaysia*  
Jeremy J. Wagner *Denver, Iowa*  
DISSERTATION: Surface durability under low lambda conditions

## Major in Microbiology

---

Justin Michael Anast *Coeur d'Alene, Idaho*  
Conard Lee *Louisville, Ky.*  
DISSERTATION: Agricultural management effects on root-associated microbiome assemblage and implications for soil and plant health  
Carmen Lorena Lopez Garcia *Tampico, Mexico*

§ Emalie R. H. Thomas-Popo *Castle Bruce, Dominica*  
DISSERTATION: Application of atmospheric cold plasma, ultraviolet radiation, or natural antimicrobials for control of foodborne pathogenic and spoilage microorganisms

## Major in Molecular, Cellular and Developmental Biology

---

†† Mark J. Bouska *Waterloo, Iowa*  
DISSERTATION: Genetic analysis of spermatogenesis and aging in *Drosophila*

## Major in Neuroscience

---

Brandon Skylar Klinedinst *Ames, Iowa* § Marson Rubianto Eka Putra *Makassar, Indonesia*

## Major in Nutritional Sciences (Molecular and Cellular Nutrition)

---

Jingcheng Zhao *Jinan, China*

## Major in Organic Chemistry

---

Joshua Louis Alterman *Burnsville, Minn.*  
DISSERTATION: The synthesis of cell signaling molecules  
†† Ishani Bose *Kolkata, India*  
DISSERTATION: Artificial enzymes for substrate-selective catalysis via molecularly imprinted cross-linked micelles  
†† Kaiqian Chen *Weifang, China*  
Rui Zhang *Beijing, China*  
DISSERTATION: Design and synthesis of stable carbon-centered radicals as novel building blocks for dynamic covalent assemblies

## Major in Physical Chemistry

---

Scott Lewis Carnahan *Saint Cloud, Minn.*  
DISSERTATION: Improving sensitivity and resolution in solid-state nuclear magnetic resonance

## Major in Physics

---

Mengyao Huang

Guigang, China

## Major in Plant Breeding (Predictive Plant Phenomics)

---

Cassandra Anne Winn

Meridian, Idaho

DISSERTATION: Evaluating the use of calibrated crop growth models in plant breeding for simulating maize hybrid performance and genotype by environment interactions

## Major in Psychology

---

Nicole L. Hayes

Claremont, N.H.

## Major in Psychology (Counseling Psychology)

---

†† Madelyne Mae Losby

Marion, Iowa

## Major in Soil Science (Soil Morphology and Genesis)

---

Nicola Louise Timbas

Caloocan City, Philippines

DISSERTATION: Anthropedology of Mollisols with decades of cropping

## Major in Statistics

---

Haley Jeppson

Ames, Iowa

†† Manju Mariam Johny

Valley Park, Mo.

DISSERTATION: Functional ANOVA-type methods with interpretable visualization for comparisons among groups of time series

††§ Geoffrey Z. Thompson

Chicago, Ill.

DISSERTATION: Applying, evaluating, and accelerating clustering

§ Yifan Zhu

Yiwu, China

## Major in Toxicology

---

§ Maura Jacqueline Hall

Plymouth, Mass.

DISSERTATION: Characterization of honey bee (*Apis mellifera*) and monarch butterfly (*Danaus plexippus*) exposure to pesticides: Risks and benefits of establishing pollinator habitat within Iowa agricultural landscapes

## Major in Veterinary Microbiology

---

Michael Wayne Welch

Alpha, Ill.

DISSERTATION: Porcine parainfluenza virus 1: Evaluation of pathogenesis, strain differences, vaccine efficacy, and assay development in nursery pigs

## Major in Veterinary Microbiology (Preventive Medicine)

---

§ Ashenafi Feyisa Beyi

Bishoftu, Ethiopia

## Multiple Curricula and Majors

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†† **Caleb Lee Corona** *Blountville, Tenn.*

DISSERTATION: Alternative pest control strategies using biorational products

MAJORS: Toxicology and Entomology

†† **Yasaman Esfandiari** *Kermanshah, Iran*

MAJORS: Mechanical Engineering and Computer Science

†† **Emir Malovic** *Des Moines, Iowa*

MAJORS: Neuroscience and Molecular, Cellular and Developmental Biology

§ **Xiyu Peng** *Guangzhou, China*

DISSERTATION: Model-based clustering methods for high-throughput sequencing data

MAJORS: Bioinformatics and Computational Biology and Statistics

**Jeffrey Nils Rokkum** *Vernon, Conn.*

DISSERTATION: Multitasking and anxiety

MAJORS: Human Computer Interaction and Psychology

**Harshil Bharatkumar Shah** *Mumbai, India*

DISSERTATION: GPU-accelerated geometric algorithms for computational modeling and simulation

MAJORS: Mechanical Engineering and Computer Engineering

§ **Guliz Tokadli** *Istanbul, Turkey*

DISSERTATION: Developing human-autonomy teaming characteristics and guidance in aerospace operations

MAJORS: Industrial Engineering and Human Computer Interaction

**Colin Robert Wong** *Kettering, Ohio*

DISSERTATION: The essence of using plant essential oils for pest control

MAJORS: Toxicology and Entomology

# MASTER OF ACCOUNTING

---

## Major in Accounting

---

Hayden Michael Clausen      *Urbandale, Iowa*  
Nicholas Sean-Lum Greiner      *Ames, Iowa*

Heidi Ann Hansel      *Marion, Iowa*

## Major in Accounting (Data Analytics)

---

Kyle Alan McCoy      *Morrison, Ill.*

## Major in Accounting (Tax)

---

Ian R. Porter      *Plymouth, Minn.*

Joseph Peter Stammeyer      *Newton, Iowa*

# MASTER OF ARCHITECTURE

---

## Major in Architecture

---

Eunice Oluwatosin Bamidele      *Abuja, Nigeria*  
Ben Brown      *Des Moines, Iowa*

Morgan Adam Tweed      *Des Moines, Iowa*

# MASTER OF ARTS

---

## Major in History

---

Maxwell Lee Harrison      *Grand Blanc, Mich.*  
THESIS: In the hands of the people themselves:  
Deciding educational reform at the grassroots in  
rural Michigan, 1903-1927

## Major in Interior Design

---

Hannah Renee Bartel      *Iowa City, Iowa*

## Major in Political Science

---

Isaac William Barrash      *Iowa City, Iowa*  
THESIS: Coercion and cooperation: The balancing  
act of rising powers

Dakota Carman      *Gilson, Ill.*

## Major in Political Science (Public Policy)

---

Abigail Gatzky Morton      *Lafayette, La.*

## Major in Rhetoric, Composition, and Professional Communication

---

†† Ryan Lenz Everett      *Des Moines, Iowa*

Gillian Emily Mohn      *Philadelphia, Pa.*

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

---

Laura Eloise Raught      *Cedar Rapids, Iowa*

## Major in Teaching English as a Second Language/Applied Linguistics (English for Specific Purposes)

---

Cheick Sadibou Diagne *Fatick, Senegal*  
THESIS: Identifying the ESP training needs of  
FASTEF's EFL teacher-trainees

## MASTER OF BUSINESS ADMINISTRATION

---

### Major in Business Administration

---

Eunice Oluwatosin Bamidele	<i>Abuja, Nigeria</i>	Kyle Stephen Kretzschmar	<i>Lakeville, Minn.</i>
Austin Craig Hillinger	<i>Des Moines, Iowa</i>	Liming Pals	<i>Ames, Iowa</i>
Eric Michael Johnson	<i>Ames, Iowa</i>	Emilie June Tamblyn	<i>Manteno, Ill.</i>
Dori Marie Kralj	<i>Emlenton, Pa.</i>	Dominick James Williams	<i>Chicago, Ill.</i>

### Major in Business Administration (Business Analytics)

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Joseph William Kueny	<i>Alta, Iowa</i>	Erin E. Starkey	<i>Colona, Ill.</i>
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### Major in Business Administration (Leadership)

---

Mariah Jewell Heide	<i>Ames, Iowa</i>
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### Major in Business Administration (Supply Chain Management)

---

Mitchell Austin Black	<i>Davenport, Iowa</i>	Frances Lee Conley	<i>Cherokee, Iowa</i>
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## MASTER OF COMMUNITY AND REGIONAL PLANNING

---

### Major in Community and Regional Planning

---

Shifa Birabwa	<i>Mukono, Uganda</i>	Meen Wook Jung	<i>Daegu, South Korea</i>
Emma Elizabeth Borchers	<i>Carroll, Iowa</i>	Esther Tetteh	<i>Ames, Iowa</i>
Hyunjung Joun	<i>Busan, South Korea</i>	Mandela Kwame Gadri	<i>Accra, Ghana</i>

## MASTER OF DESIGN IN SUSTAINABLE ENVIRONMENTS

---

### Major in Sustainable Environments

---

Sanjukta Chatterji	<i>New Delhi, India</i>
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# MASTER OF EDUCATION

---

## Major in Education (Special Education (practitioner))

---

Matthew Lee Hamann                      Ames, Iowa

# MASTER OF ENGINEERING

---

## Major in Aerospace Engineering

---

Peter J. Lockwood                      Dubuque, Iowa                      Orion Chan Staskal                      Iowa City, Iowa

## Major in Chemical Engineering

---

Dhananjay Dileep                      Ahmedabad, India                      Kelsey Nicole Dyball                      Houston, Tex.

## Major in Civil Engineering (Construction Engineering and Management)

---

Tyler John Gustafson                      Coralville, Iowa

## Major in Civil Engineering (Environmental Engineering)

---

Zheng Guo                      Ames, Iowa

## Major in Civil Engineering (Geotechnical Engineering)

---

Zhongbao He                      Lanzho, China

## Major in Computer Engineering

---

Hosam A. Abdeltawab                      Ames, Iowa                      Shuangquan Li                      Kunming, China  
Pierce Carson Adajar                      Sioux City, Iowa                      Jeremiah Howard Mace                      Hot Springs, Ark.  
Lakshmi Sindhura Challa                      Kapileswarapuram, India

## Major in Cyber Security

---

Nora Winter Mayse                      Ogden, Iowa                      Kevin Dale Miller                      Polk City, Iowa  
Michael Gerard McCabe                      Glastonbury, Conn.                      Brian J. Mooney                      Amana, Iowa

## Major in Electrical Engineering

---

Noah James Chartouni                      Mount Prospect, Ill.                      Sunil Ghimire                      Lamjung, Nepal  
Miguel Angel Estrella                      Bronx, N.Y.                      Yang Tian                      China  
Beytul Geredeli                      Ames, Iowa

## Major in Energy Systems Engineering

---

Nicholas Lee King                      Downers Grove, Ill.

## Major in Engineering Management

---

Alex Ray Rigdon                      Cedar Rapids, Iowa                      Ravneet Sandhu                      Amritsar, India

## Major in Engineering Mechanics

---

Joshua Anthony Neumann                      Fort Dodge, Iowa





# MASTER OF HUMAN COMPUTER INTERACTION

---

## Major in Human Computer Interaction

---

Davis Fujihiro Asano	<i>American Canyon, Calif.</i>	Anna Marek	<i>Littleton, Colo.</i>
Simarbir Kaur Aulakh	<i>Sammamish, Wash.</i>	Tasnim Merza Merlin	<i>San Ramon, Calif.</i>
Ian Jacob Baumgartner	<i>Bremerton, Wash.</i>	Adam Smolinski	<i>North Bend, Wash.</i>
Sara Joy Erickson	<i>Grimes, Iowa</i>	James Smoot III	<i>Fallbrook, Calif.</i>
Veronica C. Furukawa	<i>Hagerstown, Md.</i>	Sarah Stas	<i>Moreno Valley, Calif.</i>
Scott Richard Guirlinger	<i>Norfolk, Va.</i>	Joshua Steven Tenney	<i>Ames, Iowa</i>
Yiding Han	<i>San Diego, Calif.</i>	April Yang	<i>Elk Grove, Calif.</i>
Jasmine Rachelle Harris	<i>Syracuse, Utah</i>	Qiqiong Yu	<i>Alameda, Calif.</i>
Aliana Layug	<i>Dallas, Tex.</i>		

# MASTER OF LANDSCAPE ARCHITECTURE

---

## Major in Landscape Architecture

---

Morgan Adam Tweed	<i>Des Moines, Iowa</i>
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# MASTER OF PROFESSIONAL PRACTICE IN DIETETICS

---

## Major in Professional Practice in Dietetics

---

Julia Long	<i>Tempe, Ariz.</i>	Stacy Nelson	<i>Menomonie, Wis.</i>
Kathleen Meyers	<i>Golden, Colo.</i>		

# MASTER OF SCIENCE

---

## Major in Aerospace Engineering

---

Zachary Allen Luppen	<i>Omaha, Neb.</i>
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## Major in Agricultural and Biosystems Engineering

---

Casey Isaac Nelson	<i>Maquoketa, Iowa</i>
--------------------	------------------------

## Major in Agricultural Economics

---

Samuel Valentine Queen	<i>Waukesha, Wis.</i>
------------------------	-----------------------

## Major in Agricultural Education

---

Ryan Michael Liscinski	<i>Albrightsville, Pa.</i>
------------------------	----------------------------

## Major in Agricultural Education (Agricultural Extension Education)

---

Celine Marie Beggs	<i>Clearfield, Iowa</i>
--------------------	-------------------------

## Major in Agronomy

---

Dino Fajic  
Nicholas Keith Groth  
Jacob Harden

*Saint Louis, Mo.  
Stewartville, Minn.  
Frankfort, Ind.*

Jeremy Robert Latham  
Daphne Melissa Mayo Gilsinger  
Martin Scully

*Mason City, Iowa  
Smithfield, N.C.  
Alta Gracia, Argentina*

## Major in Animal Physiology

---

Maddison Lynn Wiersema

*Fulton, Ill.*

## Major in Animal Science

---

Dalton Charles Humphrey  
Jessica Monique Johnson

*Eaton Rapids, Mich.  
Stockbridge, Ga.*

Maria Oconitrillo Hidalgo

*Heredia, Costa Rica*

## Major in Apparel, Merchandising, and Design

---

Caroline Zoe Schumm

*Hutchinson, Kans.*

## Major in Architecture

---

Tarun Naresh Bhatia

*Ames, Iowa*

THESIS: A demonstration of actualizing complex adaptive systems on the ground

Sanjukta Chatterji  
Sedigheh Ghiasi

*New Delhi, India  
Tehran, Iran*

## Major in Biomedical Sciences

---

Hannah Kristin McCuddin

*Sloan, Iowa*

Josi Margaret Whitmore

*Webster City, Iowa*

## Major in Chemical Engineering

---

Deep M. Patel

*Bhavnagar, India*

THESIS: Efficiently parametrizing adsorbate-adsorbate interactions via coordination-based approach

Alaric Cheney Siddoway

*Bountiful, Utah*

## Major in Chemistry

---

Brittany B. Courteau

*Burnsville, Minn.*

## Major in Civil Engineering (Construction Engineering and Management)

---

Aric Christian Barto

*Waxhaw, N.C.*

## Major in Civil Engineering (Environmental Engineering)

---

Matthew Ryan Jacob

*Johnston, Iowa*

Yifei Ma

*Pittsburgh, Pa*

## Major in Civil Engineering (Intelligent Infrastructure Engineering)

---

Smrithi Ajit

*Ames, Iowa*

THESIS: Machine learning framework for end to end implementation of incident duration prediction

## Major in Computer Engineering

---

Yueyi Jiao

*Ames, Iowa*

Siyuan Lu

*Hailun, China*

---

**Major in Computer Engineering (Computing and Networking Systems)**

---

Bryan S. Kalkhoff

North Liberty, Iowa

Md Jawad Mashrur Rahman Dhaka, Bangladesh

THESIS: High-power sonication to improve extraction yield and modify ingredient functionality of soy protein, and study on the gelling mechanism of mung bean protein

---

**Major in Computer Engineering (Secure and Reliable Computing)**

---

Sunantha Rini Chandramoorthy

Willmar, Minn.

---

**Major in Computer Engineering (Software Systems)**

---

Anjana Deva Prasad

Thrissur, India

---

**Major in Computer Engineering (Very Large Scale Integration)**

---

Nicholas Robert Pelland

Gurnee, Ill.

---

**Major in Computer Science**

---

Javad Ansarifar

Ames, Iowa

Vivek L. Bengre

Bangalore, India

THESIS: A scheduler for high frequency job arrival using graph neural networks

Sumon Biswas

Dhaka, Bangladesh

THESIS: Understanding unfairness and its mitigation in open-source machine learning models

Michael Eugene Dixon

Ames, Iowa

Seyedehzahra Hosseini

Tehran, Iran

THESIS: Memory constrained algorithms for multi-valued decision diagrams

Jieyun Hu

Ames, Iowa

Kun Ji

Huairan, China

Sumanth Kumar Kaliki

Nellore, India

Adithya Kulkarni

Hyderabad, India

THESIS: True label inference from heterogeneous data sources in Natural Language Processing

Lu Shao

Ames, Iowa

Benjamin J. Steenhoek

Des Moines, Iowa

---

**Major in Crop Production and Physiology (Weed Science)**

---

Avery Joel Bennett

Richland, Iowa

THESIS: Chaff lining: A harvest weed seed control method to manage herbicide-resistant weeds in US soybean production

---

**Major in Cyber Security**

---

Alen Ratna Kansakar

Ames, Iowa

---

**Major in Ecology and Evolutionary Biology**

---

Ashley Hedrick

Rushville, Ind.

Nancy Shryock

Collins, Iowa

---

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

---

Theodore William Mathews IV

Ames, Iowa

---

**Major in Electrical Engineering (Microelectronics and Photonics)**

---

Rabindra Bhattarai

Gainesville, Fla.

Dinusha Indunil Bandara Mawathagama Herath  
Mudiyanselage

Bandaragama, Sri Lanka

---

**Major in Electrical Engineering (Systems and Controls)**

---

Anirudha Annasaheb Powadi     *Ichalkaranji, India*

---

**Major in Electrical Engineering (Very Large Scale Integration)**

---

Sriram Nithin Gopal Lanka     *Hyderabad, India*     Shuo Xie     *Xuzhou, China*  
Abraham Joseph Steenhoek     *Ames, Iowa*

---

**Major in Engineering Mechanics**

---

Aaron Michael McCrary     *West Des Moines, Iowa*  
THESIS: Programmable mechanical metamaterials  
with tunable stiffness and frictional energy  
dissipation

---

**Major in Environmental Science**

---

Calvin Bryant Wong     *Cedar Rapids, Iowa*

---

**Major in Event Management**

---

Lydia Jean Granahan     *Bellevue, Neb.*     Tyra Mae Nickell     *Allerton, Iowa*  
Autumn Ashlee McGill     *Colfax, Iowa*     Jennifer Rose Papa     *Flower Mound, Tex.*

---

**Major in Fisheries Biology**

---

Samuel S. Leberg     *Lafayette, La.*

---

**Major in Forestry**

---

Katrina May Fernald     *Sharon, N.H.*

---

**Major in Genetics and Genomics**

---

Merritt Celeste Polomsky     *Ames, Iowa*

---

**Major in Gerontology**

---

Hannah Cain Dannewitz     *Grimes, Iowa*

---

**Major in Human Computer Interaction**

---

Israt Ali     *San Jose, Calif.*     Win Sandy Oo     *Yangon, Myanmar*  
Manuela Ellen Faulhaber     *Lahr, Germany*     Christopher M. Pohlen     *Chaska, Minn.*  
THESIS: The effect of self-monitoring limited     Francesca Polito     *Baldwin, N.Y.*  
social media use on psychological well-being     Meng Wang     *Beijing, China*  
Mahsa Mokari     *Ames, Iowa*

---

**Major in Industrial and Agricultural Technology**

---

Robert David Best     *Des Moines, Iowa*

---

**Major in Industrial Engineering**

---

Gaurav Bharat Arwade     *Sangli, India*  
THESIS: Sub-setting algorithm for training data  
selection in pattern recognition

## Major in Information Systems

---

Smrithi Ajit	Ames, Iowa	Vishweshwari Joshi	Indore, India
Aditya Bala	New Delhi, India	Abishek Reddy Mannemala	Nellore, India
Deepti Vinayak Bidkar	Des Moines, Iowa	Thomas George Pollard	Ames, Iowa
Erin Elizabeth Boyenga	West Des Moines, Iowa	Yu Ye	Ames, Iowa
David James Conway	Altoona, Iowa	Ziqing Ye	Jiujiang, China

## Major in Inorganic Chemistry

---

Utsav Kumar Dey	Kolkata, India
THESIS: Synthesis of aliovalently-substituted GeAs <sub>2</sub> for thermoelectric applications	

## Major in Interdisciplinary Graduate Studies (Community Development)

---

Brianna Gabel Thul	Tiffin, Iowa
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## Major in Journalism and Mass Communication

---

Chelsea Lee Davis	Ames, Iowa	Brittany Nicole Eide	Hawthorne, Calif.
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## Major in Kinesiology

---

Brandon Michael Brockshus	Ocheyedan, Iowa	Christopher Moir	Le Mars, Iowa
THESIS: Actors and fighters: Predictors of motor health, cognitive health, and well-being in actor-combatants			

## Major in Meat Science

---

Nicole Dawn Kibler	Edinburg, Va.
THESIS: Replacement of pork fat in a coarse ground sausage using biphasic gels containing high oleic soybean oil	

## Major in Mechanical Engineering

---

Prashant Pawan Gargh	Agra, India	Kai Huang Kendrick Tan	Singapore
Kaustubh Shirish Kulkarni	Sangli, India	THESIS: A computational framework for transmission risk assessment of aerosolized particles in classrooms	
Harish Subramani	Chennai, India	Cal Vin Wong	Ipoh, Malaysia

## Major in Meteorology

---

Michael Raymond Scanlan	Raleigh, N.C.
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## Major in Nutritional Sciences (Human Nutrition)

---

Hailey Rose Ebacher	Alexandria, Minn.
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## Major in Physics

---

Farhan Islam	Ames, Iowa
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## Major in Plant Biology

---

Alexander Kenneth Steiner	Auburn, N.Y.
THESIS: Establishment, growth, and morphology of <i>Miscanthus × giganteus</i> in farmed ephemeral wetlands	

## Major in Plant Pathology

---

Alexandria Jade Haafke

*Bronson, Iowa*

## Major in Soil Science

---

Valeria Cano Camacho

Des Moines, Iowa

THESIS: The effects of biological seed treatments on plant and soil health in the Midwest, USA

## Major in Soil Science (Soil Morphology and Genesis)

---

Francis Akitwine

Kampala, Uganda

Katherine Margaret Taylor

*Des Moines, Iowa*

THESIS: Pedology of typical soils of Kamuli District and pedotransfer functions to predict cation exchange capacity in limited-resource settings

## Major in Statistics

---

Scott Dylan Stumbaugh

*Mesa, Ariz.*

## Major in Veterinary Microbiology

---

Gino Castillo Vilca

*Lima, Peru*

THESIS: Characterization of infection and replication of human coronavirus NL63 in vitro as a surrogate for SARS-CoV-2

## Major in Veterinary Preventive Medicine

---

Megan Ruth Ann Nickel

*Theresa, Wis.*

Onyekachukwu H. Osemeke

*Jos, Nigeria*

# MASTER OF URBAN DESIGN

---

## Major in Urban Design

---

Anthony Filippini

*Des Moines, Iowa*



# Fall 2021

Undergraduate  
Commencement Ceremony  
1:30 p.m., Saturday, December 18, 2021  
James H. Hilton Coliseum

# UNDERGRADUATE COMMENCEMENT PROGRAM

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**1:30 p.m., Saturday, December 18, 2021, 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 Science

President Wendy Wintersteen

Recipient H. Allen Myers

## Commencement Address

Cara Heiden  
Retired Co-President of  
Wells Fargo Home Mortgage

## Musical Interlude

*Ol' Man River* ..... Kern and Hammerstein  
Simon Estes, Vocalist

*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

Ivy College of Business candidates recognized by Dean David Spalding

College of Design candidates recognized by Dean Luis Rico-Gutierrez

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

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

College of Human Sciences candidates recognized by Dean Laura Dunn Jolly

College of Engineering candidates recognized by Dean W. Samuel Easterling

## The Class of 2021 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  
Grant Becker, Vocalist

## Recessional

*La Moursisque* ..... Tylman Susato

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



# UNDERGRADUATE COMMENCEMENT CEREMONY

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## Platform Officials

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Wendy Wintersteen, President of the University  
Al Myers, President and Founder of Ag Leader Technology, Inc; and Honorary Degree Recipient  
Cara Heiden, Retired Co-President of Wells Fargo Home Mortgage; and Commencement Speaker  
Toyia Younger, Senior Vice President for Student Affairs  
John Lawrence, Vice President for Extension and Outreach  
Peter Dorhout, Vice President for Research  
Charles Small, Interim Vice President for Diversity, Equity, and Inclusion  
Ann Marie VanDerZanden, Associate Provost for Academic Programs  
Sharron Evans, Associate Vice President for Student Affairs and Dean of Students  
Jeffery Johnson, Lora and Russ Talbot Endowed President and Chief Executive Officer of the Iowa State University Alumni Association  
Simon Estes, F. Wendell Miller Distinguished Artist in Residence; and Commencement Vocalist  
Amy Kaleita, Department Chair and Professor of Agriculture and Biosystems Engineering; College of Engineering  
Andrea Wheeler, Associate Professor of Architecture; and Faculty Senate President  
Jennifer Suchan, University Registrar

Jonathan Wickert, Senior Vice President and Provost  
Luis Rico-Gutierrez, Dean of the College of Design; and Professor of Architecture  
Beate Schmittmann, Dean of the College of Liberal Arts and Sciences; and Professor of Physics and Astronomy  
David Spalding, David and Ellen Raisbeck Endowed Dean of the Ivy College of Business; 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

## Faculty Representatives

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Ramesh Balayar, Sociology  
Thomas Brumm, Agricultural and Biosystems Engineering ♦♦  
Paul Bruski, Graphic Design  
Chris Cornelius, Materials Science and Engineering ♦  
John Cunnally, Art and Visual Culture ♦  
Brad Dell, Music and Theatre  
Tim Derrick, Kinesiology ♦  
Daniela Dimitrova, Greenlee School of Journalism and Mass Communication  
Stephen Dinsmore, Natural Resource Ecology and Management  
Sarah Francis, Food Science and Human Nutrition  
Joey Frantzen, Naval Science  
Timothy Gartin, Accounting

Chad Gasta, World Languages and Cultures  
Heimir Geirsson, Philosophy and Religious Studies  
Ashley Goreczny, Marketing  
Virginia Hanson, Agricultural Education and Studies  
Mike Hanson, Air Force Aerospace Studies  
Deborah Hauptmann, Architecture  
Charles Jahren, Civil, Construction and Environmental Engineering ☞  
Jorgen Johansen, Biochemistry, Biophysics, and Molecular Biology  
Kendall Lamkey, Agronomy  
Carly Manz, Genetics, Development, and Cellular Biology  
Robert McQueeney, Physics and Astronomy  
Ajay Nair, Horticulture

Nathan Neihart, Electrical and Computer Engineering  
 Donna Niday, English  
 Robert Overstreet, Supply Chain Management  
 Frank Peters, Industrial and Manufacturing Systems Engineering ✧✧  
 Paola Pittoni, Mechanical Engineering  
 Michael Rentz, Natural Resource Ecology and Management  
 Michael Retallick, Agricultural Education and Studies  
 Alric Rothmayer, Aerospace Engineering ✧  
 Mack Shelley II, Political Science ††

Ryan Smith, Entomology  
 Jodi Sterle, Animal Science ✧✧  
 Susan Stewart, Sociology  
 Kristina Tank, School of Education  
 Ian Williams, Geological and Atmospheric Sciences  
 Theresa Windus, Chemistry †✧✧  
 Chunhui Xiang, Apparel, Events, and Hospitality Management  
 Wendong Zhang, Economics

## Faculty Marshals

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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 ✧  
 Chad Gasta, Professor and Chair of World Languages and Cultures, College of Liberal Arts and Sciences  
 Brian Hornbuckle, Professor of Agronomy, College of Agriculture and Life Sciences  
 Charles Jahren, Morrill Professor of Civil, Construction, and Environmental Engineering, College of Engineering ☞  
 Hans Klein-Hewett, Assistant Professor of Landscape Architecture, College of Design  
 Donna Niday, Associate Professor of English, College of Liberal Arts and Sciences

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

## Announcer and Reader of Names

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Hollis Monroe

Michael Martin ✧

## Musicians

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CONDUCTOR Michael Golemo, Director of Bands  
 VOCALIST Simon Estes, F Wendell Miller Artist in Residence  
 STUDENT VOCALIST Grant Becker

EUPHONIUM  
 Grant Bielecki

PERCUSSION  
 Nicholas Bahr  
 Eric Paskach

TRUMPET  
 Hope Anderson  
 Caleb Burken  
 Derek Friederich  
 Rebecca Gomez  
 Ben Kovarna  
 Zach Olesen

TUBA  
 Sam Hauser  
 Peter Jaynes

HORN  
 Sean Lockard  
 Nathan Morton  
 Lydia Stanley  
 Logan TeKolste

TROMBONE  
 Andrew Flory  
 Levi Frazier  
 Kyle Grossnickle  
 Adam Lappin

† Distinguished Professor  
 †† University Professor

☞ Morrill Professor

✧ Endowed Chair  
 ✧✧ Endowed Professorship

◆ Chief Faculty Marshal  
 ◇ Senior Faculty Marshal

# HONORARY DEGREE RECIPIENT, DOCTOR OF SCIENCE

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## **H. Allen Myers, President and Founder of Ag Leader Technology, Inc.**

**H**erbert Allen (Al) Myers is the president and founder of Ag Leader Technology, Inc. Headquartered in Ames, Iowa, Ag Leader is the largest privately-owned supplier of precision farming technology in the world,



with products and tools to improve decision-making, efficiency and address agronomic challenges. Myers holds 16 U.S. patents and two foreign patents.

From a young age growing up on a crop and livestock farm near Watseka, Illinois, Myers was interested in the mechanical aspects of agriculture. He completed four years of vocational agriculture

in high school with the intention of becoming a farmer, but a teacher convinced him to consider a career path in engineering.

Myers attended the University of Illinois and earned a bachelor's and master's degree in agricultural engineering. He then went to work for Sundstrand Corp. in the high-pressure hydraulics division, advancing from project engineer to controls group supervisor to systems engineer to applications engineering manager to principle engineer.

Among his many accomplishments during his time at Sundstrand include development of a swing control to rotate the upper part of large machines like cranes and excavators. He also designed the first load sensing and power sensing controls for use on open circuit, heavy duty hydraulic pumps.

Myers was always interested in inventing and product development, and he dreamed about starting his own company to build and market his ideas. For six years, he developed, tested and refined his first invention, an on-the-go yield monitor for a combine grain harvester. Once he determined it was ready for commercialization, he left Sauer Sundstrand in 1992 (now known as Danfoss), and began selling the yield monitors out of his home as Ag Leader Technology.

Today, Ag Leader Technology, Inc. produces more than two-thirds of the grain yield measuring sensors made in the world, and has a catalog of seven product lines of equipment and services. In 2021, the company released a high-speed (up to 12 mph) planting system that was co-developed with Williamsburg, Iowa-based Kinze Manufacturing, Inc. Ag Leader has nearly 400 employees worldwide with offices in The Netherlands, Australia and Brazil; and an expansive domestic and international dealer network.

## COMMENCEMENT SPEAKER

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### **Cara Heiden, Retired Co-President of Wells Fargo Home Mortgage**

**C**ara Heiden is a retired co-president of Wells Fargo Home Mortgage, a Wells Fargo company and the nation's largest provider of residential mortgages. She focused on leading WFHM to continually achieve



outstanding financial goals and nationally promoting the benefits of homeownership. She rallied employees to fulfill the company's promise to customers and clients: to work together to reach customer's personal and financial goals through homeownership, and being the client's number one partner to help build their business.

Asked to testify before the U.S. House of Representatives and address numerous prestigious forums on responsible lending and servicing, Heiden became a national advocate of making sure consumers are treated fairly throughout

the mortgage industry.

Heiden was frequently recognized in U.S. Banker magazine's "25 Most Powerful Women in Banking." Before Heiden's 30 year career with Wells Fargo, she was a certified public accountant for three years with the accounting firm of Ernst & Young.

She devotes time to giving back to the community. A member since 1994 and past chair of the Ivy College of Business Dean's Executive Advisory Council, Heiden has also served on numerous boards and capital campaigns such as chair of the board and 2007 annual campaign chair for the United Way of Central Iowa, chair of the board of Iowa State University Foundation, co-chair of Greater Des Moines Habitat for Humanity's capital campaign, chair of the Community Foundation of Greater Des Moines, and tri-chair of Capital Crossroads, a regional economic development and quality of life multi-year strategic plan, and many more.

Cara is an Iowa State University Alumni; she was awarded a Bachelor of Science in Industrial Administration in 1978.

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

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## Simon Estes

Simon Estes is an internationally acclaimed bass-baritone who has performed in the world's major opera houses and in special performances for U.S. presidents and international dignitaries such as Boris Yeltsin, Yassar Arafat, Yitzhak Rabin, Nelson Mandela, and Archbishop Desmond Tutu. Since 2000, he has been a faculty member at Iowa State University, serving as the F. Wendell



Miller Distinguished Artist-in-Residence with the Department of Music and Theatre, sharing his incredible talents and musical knowledge with students and at numerous activities and events.

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

In 1965 Estes made his operatic debut in *Aida* at the Deutsche Opera in Berlin. Among his more than 100 lead operatic roles have been the title role in *The*

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

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

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

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

# STUDENT MARSHALS

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## COLLEGE OF AGRICULTURE AND LIFE SCIENCES

### **Emilie Tamblyn**

*Hometown: Manteno, Illinois*

*Majors: Animal Science and Master of Business Administration, Summa Cum Laude*



Emilie is graduating *summa cum laude* with a Bachelor of Science in animal science and a Master of Business Administration.

Her impressive list of accomplishments while at Iowa State includes industry internships at John Deere, Illinois FBFM, and Christensen Farms, as well as working as an Accounting Department Graduate Assistant in the Ivy College of Business.

After graduation, Emilie will begin working in John Deere's Finance Development Program.

*University Escort: Justin Chapman, Academic Advisor*

## IVY COLLEGE OF BUSINESS

### **Reilly Smidt**

*Hometown: West Des Moines, Iowa*

*Major: Finance, Summa Cum Laude*



Reilly is graduating *summa cum laude* with a major in finance.

During his time at Iowa State University, Reilly served as president of the Mu Psi Chapter of Delta Sigma Pi professional business fraternity. In 2020, he was recognized as the Delta Sigma Pi Regional Collegian of the Year. Reilly represented Iowa State students as a member of the Student Advisory Board for the Senior Vice President of Student Affairs. He also served as vice-chair of the finance council at St. Thomas Aquinas Church and Catholic Student Center in Ames.

As an Ivy student, Reilly worked as an advanced business analyst intern at Kingland, communicating with global public accounting clients and working on client solutions. He also completed internships with the Iowa Turfgrass Institute and the Iowa Golf Association.

After graduation, Reilly will enroll in the Master of Finance program at Iowa State University. Next summer, he will work as a financial analyst intern at Principal Financial Group.

*University Escort: Ilker Karaca, Assistant Professor of Practice, Finance*

## COLLEGE OF DESIGN

### **Abby Tornow**

*Hometown: Kalona, Iowa*

*Major: Architecture, Summa Cum Laude*

*Minor: Sustainability*



Abby is graduating *summa cum laude* with a major in architecture and a minor in sustainability.

A recognized leader on campus, Abby served as president of Alpha Sigma Kappa – Women in Technical Studies and as the sorority's vice president of scholarship. She was a member of the University Honors Program, Order of Omega leadership honor society, and Iowa Women in Architecture Students.

During her time at Iowa State, Abby also served as a peer mentor for the Design Collaborative learning community, a seminar leader for the First-Year Honors Program, and a team leader for Destination Iowa State, welcoming new students to the Cyclone community.

Abby also completed summer internships with Carlson Design Team, Heery a SLAM Studio, Shive-Hattery Architecture & Engineering, and CMBA Architects.

After graduation, Abby will join Shive-Hattery's Iowa City office as an intern architect.

*University Escort: Rob Whitehead, Associate Professor, Architecture*



# STUDENT MARSHALS

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## COLLEGE OF ENGINEERING

### **Ashley Sackpraseuth**

*Hometown: Des Moines, Iowa*

*Major: Industrial Engineering, Magna Cum Laude*

*Minors: Chinese and Data Science*



Ashley Sackpraseuth, a George Washington Carver scholar, is graduating *magna cum laude* with a major in industrial engineering and minors in Chinese and data science.

While at Iowa State, Ashley served as an IMSE teaching assistant and undergraduate research assistant. She was also the diversity and inclusion leader for the Iowa State Football Varsity Marching Band.

Ashley completed internships at UnityPoint Health as a process improvement engineer and at Stanford University as a CARE scholar. She also completed a summer research internship at the National Tsing Hua University in Taiwan.

After graduation, Ashley will return to UnityPoint as a process improvement engineer.

*University Escort: Leslie Potter, Teaching Professor, Industrial and Manufacturing Systems Engineering*

## COLLEGE OF HUMAN SCIENCES

### **Evan Schmidt**

*Hometown: Grimes, Iowa*

*Major: Kinesiology and Health, Magna Cum Laude*



Evan Schmidt is graduating *magna cum laude* with a major in kinesiology and health.

While at Iowa State, Evan excelled in the science-driven track that prepares students for health professions. He gained hands-on experience as a research assistant in two labs where his data-collection and analysis skills were highly recognized.

Evan also mentored elementary students, volunteered with service organizations and held many leadership roles at Iowa State, taking time to ensure he was giving back to his community and his fellow students.

Evan plans to attend medical school.

*University Escort: Ann Smiley, Professor, Department of Kinesiology*

## COLLEGE OF LIBERAL ARTS AND SCIENCES

### **Meg Grice**

*Hometown: Humboldt, Iowa*

*Majors: Public Relations and International Studies, Summa Cum Laude*

*Minors: General Business and French*



Meg Grice is graduating *summa cum laude* with honors with majors in public relations and international studies and minors in general business and French.

During her time at Iowa State University, Meg was a member of the Iowa State University Cyclone Football Varsity Marching Band, Kappa Kappa Psi Honorary Band Fraternity, Cardinal Key Honor Society and University Honors Program.

She served as the editor-in-chief of “Cardinal Eats,” an Iowa State student-run food publication in 2021.

Meg was also a two-time Legacy of Heroines scholar, awarded for her high scholastic aptitude and strong leadership qualities. Additionally, she was a 2020-2021 Media Genius Fellow and Advisory Group Member for Weber Shandwick, a global public relations firm.

Meg’s future plans are to work at an international public relations firm and eventually apply to the Fulbright Scholarship Program.

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

# CANDIDATES FOR DEGREES FROM THE COLLEGE OF AGRICULTURE AND LIFE SCIENCES

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## BACHELOR OF SCIENCE

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### Curriculum in Agricultural and Life Sciences Education

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Kayla J. Carolan	Cedar Falls, Iowa	Jillian Martha Joyce	Graettinger, Iowa
* Clare Marla Conley	Cherokee, Iowa	* Cambrie Jo Lane	Spragueville, Iowa
Nelson Alexander Findling	Royal, Iowa	* Cole Robert Reiman	Ayrshire, Iowa
Rachel Ann Findling	Royal, Iowa	Shayla Kay Seils	New London, Iowa
Morgan Jane Fitzsimmons	Mineral Point, Wis.	Sadie Pearl Smithburg	West Point, Iowa
Mitchell Jeffrey Halat	Genoa, Ill.	** Kristen Elizabeth VanDeVelde	Galva, Ill.
Madison M. Honkomp	Winterset, Iowa	Alex John Zumbach	Ryan, Iowa

### Curriculum in Agricultural Business

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Aguom Khidir Abdalla	Ames, Iowa	Decker Jamison Mann	Marshalltown, Iowa
* Cole Anderson	Leland, Iowa	Megan Marie Niewoehner	Hawkeye, Iowa
Noah T. Aper	Geneseo, Ill.	Nathan Thomas Parchert	Illinois City, Ill.
James Joseph Bickett	Princeton, Ill.	Domonique Kya Richardson	Estherville, Iowa
Jarett Mackenzie Bowen	Mount Vernon, Iowa	Dalton John Roling	La Motte, Iowa
Alexander James Bowler	Naperville, Ill.	** Jack James Ruhland	Le Mars, Iowa
Alexa Renee Callaway	Marshalltown, Iowa	*** Brett Daniel Schlicksup	Dunlap, Ill.
Emma Jo Ehlers	Edgewood, Iowa	Hannah Ellen Spies	Muscataine, Iowa
Tyler Allen Hartman	Wilton, Iowa	Wyatt J. Staab	Remsen, Iowa
Jacob Maxwell Joerger	Ames, Iowa	Wyatt Richard Joseph Thomas	Grinnell, Iowa
Kirklen Robert Kiburz	Monticello, Iowa	Justin Wessel	Garber, Iowa
Fayth Alexis Koning Park	Kewanee, Ill.	** Jiawen Zhang	Zhengzhou, China
Ryan Jeffrey Lehan	Dunlap, Iowa		

### Curriculum in Agricultural Studies

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Kathryn E. Andersen	Hartwick, Iowa	*** Halle D. Mason	Duncombe, Iowa
Brianna Kane Angstman	Dumont, Iowa	Austin Edward McCloud	Ogden, Iowa
** Luke M. Baumgartner	Maple Grove, Minn.	Zachary William McCloud	Ogden, Iowa
Luke Joseph Boord	Altoona, Iowa	Alyssa Grace McMichael	Atalissa, Iowa
Bryce Robert Bruns	Allison, Iowa	Carrie Marie O'Connor	Reinbeck, Iowa
* Keaton H. Buseman	Belmond, Iowa	Jarret Orr	Rowley, Iowa
* Colleen Clare Curtin	Chicago, Ill.	Joshua L. Thiessen	Chelsea, Iowa
Caleb Scott Heinselman	Kellogg, Iowa	Mark Evan Vande Haar	Pella, Iowa
Cole Stephen Hiser	Jamestown, Ohio	Mackenzie Kay Waltz	Tipton, Iowa
Erin Wylene Johnson	Cushing, Iowa	Evan Christopher Webb	Ames, Iowa
Samuel Allen Lane	Mediapolis, Iowa	Heath William Weber	Winthrop, Iowa
Megan Ann Lund	Clarion, Iowa	Tristan Jon Wolfe	Red Oak, Iowa

### Curriculum in Agricultural Systems Technology

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Mercer Hill Boedeker	Frisco, Tex.	Logan Dean Lansman	Rippey, Iowa
* Nolan Joseph Brennan	Bowling Green, Ohio	** Lane Daniel Marlow	Traer, Iowa
Marcus J. Daughton	Kellerton, Iowa	Zachery Troy Petersen	Long Grove, Iowa
* Paul Donald Johnson	Forest Hill, Md.	Charles Joseph Wiese	Geneseo, Ill.
* Colby Robinson Lange	Lenox, Iowa		

## Curriculum in Agriculture and Society

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\*\*\* Morgan Rochelle White Estherville, Iowa

## Curriculum in Agronomy

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Rebecca Lynn Beldt	Sheldon, Iowa	Logan Brady Rupp	Ames, Iowa
** Tyler Joseph Buresh	Williamsburg, Iowa	Tristan Daniel Schlichte	Audubon, Iowa
Cody Lane Gibson	Hopedale, Ill.	Kurtis Kreg Schultz	Lawton, Iowa
Jared Steven Jones	West Des Moines, Iowa	Haley Stahl	Marshalltown, Iowa
** Jolean Lea McClane	Thurman, Iowa	Christopher Lewis Werth	Dubuque, Iowa
Megan Jo Moore	Knoxville, Iowa	** Jiawen Zhang	Zhengzhou, China
Elizabeth E. Muehlenthaler	Elkhart, Iowa		

## Curriculum in Animal Ecology

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***† Nourah E. Abusada	Iowa City, Iowa	Owen Charles McGuffin	Des Moines, Iowa
Anthony Andrew Aldrich	Cedar Falls, Iowa	* Kalyope Ann Miller	Salix, Iowa
Nicholas James Bindert	Strawberry Point, Iowa	* Trevor M. O'Brien	Lake in the Hills, Ill.
Emma-Lee A. Buffington	Sioux Falls, S. Dak.	* Kailey Marie Pamperin	Clive, Iowa
Matthew Carl Card	Ankeny, Iowa	***† Katelynn LaRee Panning	Janesville, Iowa
Brayden A. Crew	Mediapolis, Iowa	Dustin Eli Patrick	Altoona, Iowa
Ace C. Driver	Hurst, Tex.	Nina A. Priske	Eldora, Iowa
† Margaret Leone Fuhrman	Egan, Minn.	Natassja Noel Reed	Earlham, Iowa
Lydia Paige Holmes	Des Moines, Iowa	Zachary Elmer Roalfs	Osage, Iowa
** Sydney Kathleen Horaney	Streator, Ill.	Kaandra Nachelle Rosa	Juncos, Puerto Rico
Mikayla Shawn Hoskins	Madrid, Iowa	Konner Jacob Roth	Wall Lake, Iowa
** Melissa Kate Irish	Bellevue, Neb.	Sadie Kay Simatovich	State Center, Iowa
** Alyssa Jo Kateri Ivy	Ankeny, Iowa	Miranda Lynn Tanner	Des Moines, Iowa
** Katherine Rose Kilmer	Geneva, Ill.	Bethany Rae Tejral	Omaha, Neb.
** Connor Patrick Langan	Waterloo, Iowa	Abbie Renae Van Raden	Aurora, Iowa

## Curriculum in Animal Science

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Ignaci Alvarez-Estarellas	Coto Laurel, Puerto Rico	* McKenzie Starr McCray	Eaton, Ohio
** Autumn Grace Arnt	Worthington, Minn.	Grace Meredee McGuire	Algona, Iowa
Alana Lynn Bowne	Sturgeon, Mo.	*** Jessica Esta Meseck	Charter Oak, Iowa
Caroline E. Catalano	Hoffman Estates, Ill.	* Alexander Harold Miller	West Branch, Iowa
Breanna Marie Chadwick	Marshall, Wis.	Tehya Jo Mitchell	Garner, Iowa
Makenna Noelle Davis	Ankeny, Iowa	Magdi Ahmed Ali Mohamed	Iowa City, Iowa
David Dean Eisentrager	Dumont, Iowa	Gabriella Christine Nelson	Council Bluffs, Iowa
Kendra Ann Elgin	Worthington, Iowa	* Katelyn Michelle Palmer	Shenandoah, Iowa
***† Mary K. Figge	Green Valley, Ill.	Tina Poulias	Rockford, Mich.
Rylyn Rene Fletcher	Princeton, Iowa	Amy D. Raner	Webb, Iowa
Catelyn Marie Foerstner	Coralville, Iowa	Nichole Aquna Schussler	Chisago City, Minn.
Jasmine Pearl Foster	Clark, S. Dak.	Makayla Marie Severs	Dumont, Iowa
Gabriella Virginia Garcia	Depue, Ill.	Hemili Lucia Soltero	Marshalltown, Iowa
Emily Augustina Garrido	Chicago, Ill.	Mckenzie Ann Spanjer	Council Bluffs, Iowa
Caitlyn Anne Goebel	Blairsburg, Iowa	Burke Gordon Suckow	Van Meter, Iowa
Abigail Rose Gravel	Dyersville, Iowa	*** Emilie June Tamblyn	Manteno, Ill.
*** Kayla Rose Hospodarsky	Cedar Rapids, Iowa	* Macy L. Underwood	Moravia, Iowa
** Rebecca Joyce Ingle	Granger, Iowa	Matthew Thomas Upham	Chelsea, Iowa
* Dori Marie Kralj	Emlenton, Pa.	Jenna M. Vergauwen	Marshalltown, Iowa
David Christian Langner	Ayrshire, Iowa	Becca K. Walthart	Winthrop, Iowa
Madison Leigh Lansink	Ida Grove, Iowa	*** Colton Ernest Warrick	Prairie City, Iowa
Spencer Allen Leerar	El Paso, Tex.	Samuel James Whelan	Polk City, Iowa
Elizabeth Kay Long	Ames, Iowa	Jessica Leanne Wikstrom	Waverly, Iowa
*** Madison Grace Luneckas	Iowa City, Iowa	Alexis Kay Willoughby	Fargo, N. Dak.
Anna Lee Mallory	Montezuma, Iowa	Jerica Haley Wolf	Winnebago, Minn.
* Emma Anne Mannery	Cresco, Iowa		

\* Cum Laude

\*\*\* Summa Cum Laude

\*\* Magna Cum Laude

† Honors Program



## Curriculum in Biology

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*** Cassidy Nicole Adams	Bondurant, Iowa	Lydia Paige Holmes	Des Moines, Iowa
*** Timothy William Benz	Algonquin, Ill.	*** Donnie G. Kramer	Urbandale, Iowa
Loren Elise Brown	Columbia, S.C.	* Allison Kayleigh Lampe	Waterloo, Iowa
Rodolfo Michael Calderon	Muscatine, Iowa	Camaryn Elizabeth Mohan	Clive, Iowa
Soo-ah Cho	Suwon, South Korea	Jessa Grace Muldoon	Bloomfield, Iowa
Sandra Kae Conrad	Story City, Iowa	Zachary Elmer Roalfs	Osage, Iowa
* Samuel Clayton Corey	Lake City, Iowa	Leah Claire Schuler	Creston, Iowa
* Mary Elizabeth Fitzpatrick	West Des Moines, Iowa	** Collin Steven Steuber	Fairmont, Minn.
** Isabelle Fiona Fox	Buffalo Grove, Ill.	Mackenzie Teeter	Charles City, Iowa

## Curriculum in Culinary Food Science

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** Adriel Abhimanyu	Jakarta, Indonesia	* Kathryn Michelle Post	Des Moines, Iowa
*** Alyssa Yuko Nishijima	West Des Moines, Iowa	Theresa Rose Sanchez	Chicago, Ill.

## Curriculum in Environmental Science

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Semra Bajric	West Des Moines, Iowa	Marcus Faen Phiakhamta-Konopasek	Dakota Dunes, S. Dak.
Allison Kay Boehm	Wadena, Iowa	** Justin Cooper Sanor	Cedar Rapids, Iowa
* Kamryn Marie Crawford	Spring Lake Park, Minn.	** Nicole Yi Wen Yap	Kuala Lumpur, Malaysia
* Lindsey Kay Jarosinski	Medinah, Ill.		
Michael Joseph McCarville	Fort Dodge, Iowa		

## Curriculum in Forestry

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Jared Michael Harrington	Ankeny, Iowa	Jordan Matthew Munson	Sioux City, Iowa
Mikayla Shawn Hoskins	Madrid, Iowa	Reaghan Ann Oakleaf	Griswold, Iowa
** Veronica La Pietra	Ames, Iowa	*** Caleb Clifford Postol	O'Fallon, Mo.
*** Pamela Miksell	Des Moines, Iowa		

## Curriculum in Genetics

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Ghadeer A. O. A. Abdullah	Kuwait City, Kuwait	*** Emily Ann Sarvis	Indianola, Iowa
Elizabeth E. Muehlenthaler	Elkhart, Iowa		

## Curriculum in Global Resource Systems

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** Jose Gabriel Linera Gonzalez	The Colony, Tex.	* Ellen Elyse Reed	West Des Moines, Iowa
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## Curriculum in Horticulture

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Dayana Jocelin Carrera	Marshalltown, Iowa	* Ellen Elyse Reed	West Des Moines, Iowa
Blake Ryan Clark	Martensdale, Iowa	Jacob H. Reemtsma I	DeWitt, Iowa
Austin Daniel England	Polk City, Iowa	Joshua Robert Robbins	Manteno, Ill.
Dean Douglas Kirkman	Morris, Ill.	McKenzie Marie White	Charles City, Iowa
Calvin John Mackin	Hiawatha, Iowa	Danielle Kai Wood	Chicago, Ill.
Brady Daniel Pringle	Ottumwa, Iowa		

## Curriculum in Industrial Technology

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Anthony Alexis Alvarado	Chicago, Ill.	Brandon Michael Gloeckner	Robins, Iowa
Jarred Austin Berggren	Ringwood, Ill.	Shawn Eugene Green Jr.	Davenport, Iowa
Nicholas Bissen	La Crescent, Minn.	Nathan Paul Jones	Burlington, Iowa
*** Samuel Bonny	Waterloo, Iowa	Lambros Anthony Karkazis	Chicago, Ill.
William Randy Dembicki	Davenport, Iowa	Britton Nicole Klemish	Sergeant Bluff, Iowa
Coltin Wayne Endsley	Cedar Rapids, Iowa	* Kyle Stephen Kretzschmar	Lakeville, Minn.
Dylan Matthew Ferguson	Harlan, Iowa	Mitchell Charles Leinen	Portsmouth, Iowa
Jared L. Fudge	Radcliffe, Iowa	Brock Owen Lundquist	Ankeny, Iowa
Matthew James Fuls	Belmond, Iowa	Thomas John Mack	Milan, Ill.

\* Cum Laude

\*\*\* Summa Cum Laude

\*\* Magna Cum Laude

† Honors Program

Ryan Jeffrey Marshall	Ankeny, Iowa	Jet Thephanonxay	Plymouth, Minn.
Dylan P. McBride	Antioch, Ill.	** Mitchell John Thys	Victor, Iowa
Colin Michael McKay	Kansas City, Mo.	Adam Charles Tidman	Ankeny, Iowa
Lauren Elizabeth Reynolds	Maple Grove, Minn.	Martin Vuong Vanle	Sioux City, Iowa
* Gabriel Steven Rizzio	Center Point, Iowa	Christine Anne Wagner	Des Moines, Iowa
** Austin James Scholl	Wheaton, Ill.	Lucas G. Weller	Denison, Iowa
Caleb W. Senecal	South Pekin, Ill.	** Tanner Lee Williams	Urbandale, Iowa
Jacob David Sherburne	New Sharon, Iowa	Jarrold Woods	South Pasadena, Calif.
Bryce Tyler Smith	Johnsburg, Ill.	Elijah Berkley Wright	Waukee, Iowa
Noah Mitchell Solle	Maple Grove, Minn.		

### Curriculum in Microbiology

Leonardo A. Baumgartner	Brusque, Brazil	Emma Caroline Wadle	Indianola, Iowa
Martin John Leyhe	Davenport, Iowa	* Benjamin Daniel Walsh	Excelsior, Minn.
Morgan Marie Smith	Nevada, Iowa		

### Multiple Curricula and Majors

** Samantha A. Allbee	West Des Moines, Iowa	Mikayla A. McKenna	Hudson, Iowa
Animal Ecology and Biology		Agricultural and Life Sciences Education and International Agriculture	
* Lucas Howard Buren	Ankeny, Iowa	** Stefany Ann Naranjo	Belmond, Iowa
Horticulture and Liberal Arts and Sciences: Major in World Languages and Cultures (French)		Agricultural and Life Sciences Education and Global Resource Systems	
Abby Rae Burns	Circle Pines, Minn.	** Tiffany Poen	Lake City, Iowa
Agronomy and Environmental Science		Agricultural Business and International Agriculture	
** Renee Lynn De Vore	Des Moines, Iowa	* Mary Katherine Shaver	Searsboro, Iowa
Global Resource Systems and Environmental Studies		Animal Ecology and Biology	
Danielle Abigail Espinosa-Gonzalez		** Kylee Louise Sherod	Howard Lake, Minn.
Bellolio	Des Moines, Iowa	Agricultural and Life Sciences Education and Global Resource Systems	
Industrial Technology and Liberal Arts and Sciences: Major in World Languages and Cultures (Spanish)		* Caitlin Siobhan Shugart	Council Bluffs, Iowa
* Braden Patrick Fitzgerald	Roscoe, Ill.	Dairy Science and Liberal Arts and Sciences: Major in World Languages and Cultures (Spanish)	
Animal Science and Animal Ecology		Hannah N. Sperflage	Lisbon, Iowa
Cassidy Lynn Gabbert	Johnston, Iowa	Global Resource Systems and Environmental Studies	
Animal Ecology and Environmental Studies		* Corey R. Vester	Cedar Rapids, Iowa
* Logan James Hatfield	Lovilia, Iowa	Agricultural Systems Technology and Industrial Technology	
Environmental Science and Agronomy		Sloan Joseph Volkman	Kellogg, Iowa
Kaitlyn Marie Kelley	Essex, Iowa	Industrial Technology and Agricultural Systems Technology	
Animal Ecology and Liberal Arts and Sciences: Major in World Languages and Cultures (Spanish) and Environmental Studies		Zhuozhu Yu	Nanjing, China
Roman Elijah Kiefer	Crawfordsville, Iowa	Agricultural Business and Liberal Arts and Sciences: Major in Economics	
Global Resource Systems and Community and Regional Planning			
*** Maia Nicole Lawson	Johnston, Iowa		
Microbiology and Genetics			
** Amanda Marie Mackey	Johnston, Iowa		
Forestry and Animal Ecology			

\* Cum Laude  
\*\* Magna Cum Laude

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

# CANDIDATES FOR DEGREES FROM THE IVY COLLEGE OF BUSINESS

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## BACHELOR OF SCIENCE

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### Major in Accounting

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** Christopher James Banser	Park Ridge, Ill.	** Nathan Gates Mertz	Carroll, Iowa
Alexander William Barton	Clive, Iowa	** Sierra Marie Miller	Boxholm, Iowa
Nathan Arthur Caster	Clive, Iowa	John Maloy Nagel	Greeley, Iowa
Kelly J. Conn	Des Moines, Iowa	Spencer J. Nelson	Oskaloosa, Iowa
Clayton James Crawford	West Des Moines, Iowa	Angela Michele Nestico	Ames, Iowa
Charles Richard Crowley	West Des Moines, Iowa	Isaac N. Patterson	Stratford, Iowa
Nicholas Kyle Denaro	Ankeny, Iowa	Benjamin M. Peters	West Des Moines, Iowa
Nick E. Farrell	Bondurant, Iowa	Allison Paige Piper	Johnston, Iowa
** Madeline Mackenzie Gibson	West Des Moines, Iowa	* Daniel William Riley	Hinton, Iowa
Hunter Robert Grace	Altoona, Iowa	*** Kelly Lynn Ross	Algonquin, Ill.
Andrew Paul Hasselquist	Hinton, Iowa	*** Karl William Scheit	Woodbury, Minn.
Tanner Joe Hegwer	Merrill, Iowa	** Shelby Jane Scheitler	Remsen, Iowa
Treyor Zane Jackson	Clarion, Iowa	Cory Joseph Schoo	Eden Prairie, Minn.
John James Jameson III	Algonquin, Ill.	Allison Viktoria Smith	Rockford, Ill.
Kamron MinHyuk Johnson	Cherokee, Iowa	* Giovanni Tenikat	Des Moines, Iowa
** Ruby Joshi	Kathmandu, Nepal	Brandon Gary Thompson	Cambridge, Iowa
*** Catherine Ellain Kamerick	Melrose, Iowa	Taylor Steven Thomsen	Carroll, Iowa
** Matthew Robert Kerton	Ames, Iowa	* Duc To	Johnston, Iowa
*** Katherine Anne Koele	Urbandale, Iowa	*** Natalie Elizabeth Vos	Cedar Rapids, Iowa
Siang Lian	Des Moines, Iowa	* Colton Robert Wells	Lake View, Iowa
Javier Martinez Magaña	Denison, Iowa	Nathan Drew Wrenn	Anoka, Minn.
** Mikayla Lynn Masching	O'Fallon, Ill.	*** Alexis Blake Wyckoff	Carlisle, Iowa
*** Chase Lee McAlister	Rockwell City, Iowa		

### Major in Actuarial Science

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* Justin Howard Brtek	Norfolk, Neb.	*** Catherine Ellain Kamerick	Melrose, Iowa
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### Major in Business Analytics

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Jacob Paul Kramer	Lone Tree, Iowa	Garrett Douglas Peirce	Pleasant Hill, Iowa
Zachary T. Olson	Northwood, Iowa	*** Kelly Lynn Ross	Algonquin, Ill.

### Major in Business Economics

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Lucas Wesley Rincker	Loogootee, Ind.
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### Major in Entrepreneurship

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Connor James Assalley	Naperville, Ill.	Hunter L. Regan	Cedar Rapids, Iowa
Jackson Todd Bishop	Indianola, Iowa	Jacob Thomas Reis	Urbandale, Iowa
Carter Kincaid Burmester	West Des Moines, Iowa	Justus L. Robeson	Ames, Iowa
Kinsey Lichelle Kogel	Emmetsburg, Iowa	** Carter D. Wittrock	Carroll, Iowa

### Major in Finance

---

* Phynnex Michael-McDermott Ambrose	Ames, Iowa	* Matthew Joseph Bishop	West Des Moines, Iowa
Andrew Stephen Anderson	Eldridge, Iowa	Christopher Ray Calvillo	Santa Rosa, Calif.
* Julia O. Bakker	Urbandale, Iowa	* Abigail E. Campbell	Indianola, Iowa
		Charles Richard Crowley	West Des Moines, Iowa

Colby B. Disbrowe	Boone, Iowa	Otman Gabriel Perez	Ponce, Puerto Rico
Alexander Logan Fee	Norwalk, Iowa	** Kenneth Stirling Phillips IV	Glen Ellyn, Ill.
* Colin Arthur Field	Andover, Minn.	Ryan Joseph Reuhl	Burnsville, Minn.
DeMichael Franklin Jr.	Katy, Tex.	Jared Allen Rus	Eldridge, Iowa
Harrison Paul Freeman	Eden Prairie, Minn.	Jacob E. Ryan	Ankeny, Iowa
* Madison Lea Frideres	Humboldt, Iowa	* Kyle Alvin Schmidt	Johnston, Iowa
* Evan Michael Fridl	West Des Moines, Iowa	**† Devin Marshall Scott	Port Byron, Ill.
Hunter Robert Grace	Altoona, Iowa	Taylor Shannan	Donnellson, Iowa
** Thomas Eldon Greenwood	Farley, Iowa	Jian Shi	Shaoxing, China
Andrew Paul Hasselquist	Hinton, Iowa	Jake Ryne Slattery	Ankeny, Iowa
* Jonathan Ryan Hernandez	Kanawha, Iowa	** Reilly Daniel Smidt	West Des Moines, Iowa
Rosanna C. Hernandez	Cedar Rapids, Iowa	* Cooper Reed Cochran Talich	Glenwood, Iowa
** Michael David Hugo	Plainfield, Ill.	* Duc To	Johnston, Iowa
Lucas Timothy Itzen	Fort Dodge, Iowa	** Emily Jean Todd	Glenwood, Iowa
Natalie Anne Jacobs	Scotch Grove, Iowa	Abigail Hope Tornell	Clive, Iowa
** Nathan John Kallenbach	Fairmont, Minn.	Guangyao Tu	Zhoushan, China
* Adam John Konfrst	Glenwood, Iowa	Jacob Ferguson Van Laere	Waukee, Iowa
Lance Taylor Kopacek	Urbandale, Iowa	Rebecca Kay Watne	Ankeny, Iowa
Ryan Thomas Leisure	Clear Lake, Iowa	Riley Jon Weissinger	West Des Moines, Iowa
Anthony Hugh Leshen	Albia, Iowa	Yunwei Zhang	Zhengzhou, China
John Maloy Nagel	Greeley, Iowa		

### Major in Management

Keaton Dean Adams	Madrid, Iowa	Nicholas William Lombard	Northwood, Iowa
Mitchell Ryan Bailey	Woodbury, Minn.	Noah Scott Mayer	Spirit Lake, Iowa
** Marie Janice Beecham	Ankeny, Iowa	Gabrielle M. Osborn	Boone, Iowa
Alicia Clare Bump	West Des Moines, Iowa	Jensley Oscar	Vero Beach, Fla.
*** Olivia Anne Christensen	Waukee, Iowa	Katherine Linnea Post	Storm Lake, Iowa
** Mariah Claire Clausen	Carroll, Iowa	Alex Ivan Ramirez	Polk City, Iowa
Colin James Coglizer	Ankeny, Iowa	* Bradyn Daniel Rempe	La Porte City, Iowa
Michael Robert Deitchler	Treynor, Iowa	Alexandria Elizabeth Skeie Runkel	Des Moines, Iowa
Mitchell Allen Deitchler	Treynor, Iowa	Emily Ann Schaffer	Humboldt, Iowa
William Zachary Erickson	Sperry, Iowa	Abigail Sheeks	Grimes, Iowa
Seth Jules Fineran	St. Charles, Iowa	Shaye Lyn Shelton	Coralville, Iowa
Robert Allen Fitzgerald	Des Moines, Iowa	Kyle Jordan Spear	Huxley, Iowa
Rose Gamamou	Iowa City, Iowa	Madison Strauss	Cedar Rapids, Iowa
Noah Conrad Goetzinger	Ankeny, Iowa	Ross Wade Van Heuvelen	Rock Valley, Iowa
Zinuo Huang	Iowa City, Iowa	Nicholas John Vawter	Clinton, Iowa
Eric Todd Jansonius	Carroll, Iowa	Jessica Lynn Vlastaras	Palm Harbor, Fla.
Kinsey Lichelle Kogel	Emmetsburg, Iowa	Evan D. Wiebers	Denison, Iowa
Grant James Konig	Ankeny, Iowa	Audrey Christine Wilkins	DeWitt, Iowa
Kyle Brandon Lang	Mason City, Iowa	* Chuanlei Zhou	Chengdu, China
Haleigh M. Lettington	West Des Moines, Iowa		

### Major in Management Information Systems

Wilson John Banyas	Ankeny, Iowa	Joseph Bradley Gunnells	Solon, Iowa
Thomas James Bartlett	Des Moines, Iowa	Joshua Dylan Hart	Geneseo, Ill.
Nickolas M. Brummond	Granger, Iowa	Christopher David Jass	Alden, Iowa
Corban Dosung Chang	Libertyville, Ill.	Karlin Michael Johnnic	Wheaton, Ill.
Robert Wingate Clemons	Boone, Iowa	Kamron MinHyuk Johnson	Cherokee, Iowa
Camryn Rae Cleveland	Indianola, Iowa	Nimit Kaneria	Surat, India
* Spencer Owen Culp	Huxley, Iowa	* Soonchan Kwon	Gyeongju-si, South Korea
Jeffrey Robert Deisting	Champlin, Minn.	Zhibo Liu	Chongqing, China
Esteban J. Diaz Sicari	San Juan, Puerto Rico	Diana Carolina Lopez	Denison, Iowa
Joel William Ehlen	Minneapolis, Minn.	Augustus Watson Macmanus V	Bettendorf, Iowa
Luke Christian Fernando	Ames, Iowa	Logan Margaret Marty	Ames, Iowa
Nathan John Fisher	Council Bluffs, Iowa	Daniel Mazurets	Indianola, Iowa
Eli L. Funke	Jesup, Iowa	* Enes Mehic	Johnston, Iowa
Ryan Peter Gribben	Mason City, Iowa	Leilla Memisevic	Des Moines, Iowa

\* Cum Laude  
\*\* Magna Cum Laude

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

** Rajdeep Oberoi	Urbandale, Iowa	Tyler Patrick Steele	Clive, Iowa
William John Orme	Maplewood, Minn.	Jasmine Faith Stout	Winterset, Iowa
Joshua Ewan Peterson	Libertyville, Ill.	Zachary Tyler Tanchin	West Des Moines, Iowa
Kyle Anthony Pritchett	Barrington, Ill.	* Giovanni Tenikat	Des Moines, Iowa
Esteban A. Rivera	Des Moines, Iowa	Nicholas Brent Thompson	Grimes, Iowa
Braden Paul Robinson	Geneseo, Ill.	Brendan Thomas Trimble	Ankeny, Iowa
**† Devin Marshall Scott	Port Byron, Ill.	Michael John Van Riessen	Urbandale, Iowa
Samuel A. Seiler	Mason City, Iowa	Jingnan Wang	Nanjing, China
Maxwell Jacob Stahl	Geneva, Ill.	Zhiyong Zhao	Ames, Iowa
Gabriel Stearns	Garner, Iowa		

## Major in Marketing

* Julia O. Bakker	Urbandale, Iowa	Dillon Jeffrey Pokuta	Johnsburg, Ill.
Morgan Daniel Bartman	Gretna, Neb.	** Tara Jo Rethman	Sioux City, Iowa
Brady Lee Thomas Bauman	Buffalo, Minn.	Parker James Rickert	Edina, Minn.
* Spencer A. Byrnes	Crystal Lake, Ill.	Hunter Salyers-Wicker	Mitchellville, Iowa
Jacob V. Chau	Urbandale, Iowa	Lauren Elizabeth Sattler	Cedar Rapids, Iowa
* Jialong Chen	Beijing, China	McKenna Marie Schultz	Timnath, Colo.
** Brooklyn Paige Clapper	Council Bluffs, Iowa	Alexis Jo Schwien	Wheatland, Iowa
Michael Dale Davis	Ankeny, Iowa	Jacob Weston Staples	Crystal Lake, Ill.
Juan A. DeLaGarza	Sioux City, Iowa	Madison Strauss	Cedar Rapids, Iowa
Noa Lynn Finken	Harlan, Iowa	Andrew James Streetar	Ramsey, Minn.
Kevin Jeffrey Foley	Lee's Summit, Mo.	Bangjun Sun	Linyi, China
John Harold Gorzney	Davenport, Iowa	Amelia Rosemarie Taylor	Norwalk, Iowa
Jacob Nelson Green	Davenport, Iowa	Taggart Tesdal	Jefferson, Wis.
Connor Glee Guess	Van Meter, Iowa	Katelyn Kay Tewes	Paullina, Iowa
Christian Paul Hansen	Cedar Falls, Iowa	Rachel Toto	Ankeny, Iowa
Maia Kathleen Jaycox	Webster City, Iowa	Olivia Nicole Vier	Huxley, Iowa
Taylor Kristan Johnson	Council Bluffs, Iowa	Bailey Laura Wall	Cedar Rapids, Iowa
Jane Elizabeth Joiner	Ames, Iowa	Evan Weinschenk	North Liberty, Iowa
*** Michael P. Lawler	Rochester, Minn.	Riley Jon Weissinger	West Des Moines, Iowa
Talia J. Lyznicki	Oswego, Ill.	Benjamin Patrick Wilson	West Des Moines, Iowa
Garrett Gene Maakestad	Osage, Iowa	James Joseph Wohkittel	Polk City, Iowa
Riley John McGinn	Lakeville, Minn.	Samantha Jo Wojewoda	Grimes, Iowa
Jensen Matthew Plummer	Ankeny, Iowa	*** Alexis Blake Wyckoff	Carlisle, Iowa

## Major in Supply Chain Management

Aadira Aai Arivudai	Chennai, India	Andrew Wyatt Kossack	Bondurant, Iowa
Emily Katherine Althoff	Blaine, Minn.	Nicholas J. Lees	Saint Paul, Minn.
Mark Joseph Bartos	Libertyville, Ill.	Elena Roselyn Minor	Hiawatha, Iowa
Alyssa Rose Bruce	Plainfield, Ill.	Logan Ha Neul Moser	Humboldt, Iowa
Lauren Elise Busby	Arlington Heights, Ill.	Mitchell Ronald Mullally	Ames, Iowa
Peter Paul Celatka II	Prior Lake, Minn.	Jittanun Pansirigorn	Suphan Buri, Thailand
Karla Ivelisse Claudio	Caguas, Puerto Rico	Kevin William Papiernik	Lemont, Ill.
Henry Earl Comstock	Ames, Iowa	Zachary J. Pardoe	Forest City, Iowa
Kade J. Coudron	LeClaire, Iowa	Drake R. Reed	Altoona, Iowa
James J. Crawford	Perry, Iowa	* Jared Michael Rhoads	Macomb, Ill.
Michael Scott Doe	Melbourne, Iowa	Daniel C. Riesenber	West Bend, Iowa
** Nathan John Espeset	Ames, Iowa	John Patrick Sankot	Ankeny, Iowa
Michael Anthony Gerhardt	Ankeny, Iowa	Benjamin D. Schuneman	Plainfield, Ill.
Himalaya Gupta	Ghaziabad, India	Alexa Nicole Schyvinck	Johnsburg, Ill.
Chase David Guthrie	College Springs, Iowa	Logan Natanagara Sofjan	Tomball, Tex.
* Erik E. Hand	Katy, Tex.	** Aimee B. Spiering	Union Grove, Wis.
Patrick Michael Hanley	Minnetonka, Minn.	Jared Hanson Ullestad	Jewell, Iowa
Timothy Jordan Harrison	Knoxville, Iowa	Jinghao Wang	Jinan, China
** Sara Sue Hartung	Preston, Iowa	Tongyue Wang	Lanzhou, China
Joseph Samson Kind	Ames, Iowa	Trenton M. Wellendorf	Fort Madison, Iowa
** Erik James Klingenberg	Des Plaines, Ill.		
* Mason Alexander Knight	Maple Grove, Minn.		

\* Cum Laude

\*\*\* Summa Cum Laude

\*\* Magna Cum Laude

† Honors Program



## Multiple Curricula and Majors

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* <b>Cody Alan Anderson</b> Supply Chain Management and Marketing	<i>Dunlap, Ill.</i>	** <b>Matthew Ronald Krage</b> Supply Chain Management and Marketing	<i>Parker, Colo.</i>
* <b>Wesley Paul Anderson</b> Supply Chain Management and Marketing	<i>Naperville, Ill.</i>	* <b>Alyson Gene Leusink</b> Finance and Entrepreneurship	<i>Des Moines, Iowa</i>
<b>Riley Anne Backus</b> Accounting and Management	<i>Des Moines, Iowa</i>	* <b>Anne Marie Meyer</b> Accounting and Liberal Arts and Sciences: Major in World Languages and Cultures (Spanish)	<i>Lindstrom, Minn.</i>
* <b>Jacob Alan Bartley</b> Finance and Entrepreneurship	<i>Harlan, Iowa</i>	**† <b>Abigail Marie Peterson</b> Supply Chain Management and International Business	<i>Pella, Iowa</i>
** <b>Casi Lynn Bartolomucci</b> Accounting and Finance	<i>Pawnee, Ill.</i>	<b>Alex Donald Prestholt</b> Marketing and Management	<i>Ames, Iowa</i>
** <b>Darren Daniel Blauwet</b> Marketing and Liberal Arts and Sciences: Major in English	<i>Larchwood, Iowa</i>	* <b>Madison Marjorie Quest</b> Supply Chain Management and Finance	<i>Fridley, Minn.</i>
<b>Samuel John Bowen</b> Marketing and International Business	<i>Lakeville, Minn.</i>	<b>Juan Daniel Rubiano Vargas</b> Finance and International Business	<i>Okoboji, Iowa</i>
<b>Kyle Richard Broome</b> Supply Chain Management and Marketing	<i>Buda, Tex.</i>	** <b>Morgan Dawn Snyder</b> Marketing and Management	<i>Bloomfield, Iowa</i>
<b>Padmam Chander</b> Management Information Systems and Finance	<i>West Des Moines, Iowa</i>	** <b>Brett D. Swartzendruber</b> Supply Chain Management and Marketing	<i>Sycamore, Ill.</i>
* <b>Tehra Finn-Jackson</b> Management Information Systems and International Business	<i>Omaha, Neb.</i>	<b>Dominic Sebastian Tassoni</b> Marketing and Management	<i>Winnebago, Ill.</i>
* <b>Joshua Michael Franklin</b> Supply Chain Management and Management	<i>Urbandale, Iowa</i>	<b>Dawson Garrett Tullberg</b> Marketing and Entrepreneurship	<i>Lenox, Iowa</i>
<b>Spencer Joseph Hilbert</b> Finance and Business Economics	<i>Ankeny, Iowa</i>	** <b>Jared H. Wenndt</b> Finance and Business Analytics	<i>Cedar Rapids, Iowa</i>
<b>Jayton Mackey Hull</b> Finance and Accounting	<i>Boone, Iowa</i>	<b>Mason Reed Williams</b> Supply Chain Management and Management	<i>Ames, Iowa</i>
<b>Soren Kronborg Jensen</b> Marketing and Management	<i>Plymouth, Minn.</i>	*** <b>Mikayla Marie Winter</b> Supply Chain Management and Management	<i>Cedar Rapids, Iowa</i>
* <b>Rebecca L. Johnson</b> Finance and Supply Chain Management	<i>Remsen, Iowa</i>		

\* Cum Laude

\*\*\* Summa Cum Laude

\*\* Magna Cum Laude

† Honors Program

# CANDIDATES FOR DEGREES FROM THE COLLEGE OF DESIGN

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## BACHELOR OF ARCHITECTURE

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### Curriculum in Architecture

---

Younyoung Choi	Seoul, South Korea	Austin Schendel	Burnsville, Minn.
* Ming Ding	China	Noah John Schulte	Carroll, Iowa
* Lee Jacob Hanus	Solon, Iowa	****† Abby Lynn Tornow	Kalona, Iowa
****† Shivang Nikul Patel	Surat, India		

### Multiple Curricula and Majors

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** Taylor Ann Shaw	Des Moines, Iowa	Alyssa Kristi Vail	Centerville, Minn.
Architecture and Environmental Studies		Architecture and Environmental Studies	

## BACHELOR OF ARTS

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### Curriculum in Art and Design

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Cooper Alexander Cary	Des Moines, Iowa	Dante Raffaele Gibson	Orlando, Fla.
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### Curriculum in Interdisciplinary Design

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Conner Paige Rittenhouse	Waukee, Iowa
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### Multiple Curricula and Majors

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Claudia Reanne Pico	Riverside, Calif.
Art and Design and Liberal Arts and Sciences: Major in Women's and Gender Studies	

## BACHELOR OF FINE ARTS

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### Curriculum in Graphic Design

---

Devon Vanessa Boll	New Glarus, Wis.	Yong Chang Kim	Seoul, South Korea
Nathan Thomas Carbaugh	Solon, Iowa	Katherine Ann McCartan	Carroll, Iowa
McKenzie Marie Hill	Ames, Iowa	Conor Patrick Snyder	Urbandale, Iowa

### Curriculum in Integrated Studio Arts

---

Haleigh Jean Anderson	Clive, Iowa	** Madison Linae Klocke	Jewell, Iowa
** Caitlyn Chellew	Ames, Iowa		

\* Cum Laude  
\*\* Magna Cum Laude

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

## Multiple Curricula and Majors

---

\*\* Nicholas Peter Demaree                      *Platteville, Wis.*  
Graphic Design and Liberal Arts and Sciences:  
Major in Journalism and Mass Communication

William Thomas Noesen                      *Sycamore, Ill.*  
Interior Design and Liberal Arts and Sciences:  
Major in World Languages and Cultures  
(German)

## BACHELOR OF INDUSTRIAL DESIGN

---

### Curriculum in Industrial Design

---

\*\* Casey Atkinson                              *Boscobel, Wis.*  
\* Stefan Rafael Baronio                      *Lee's Summit, Mo.*  
Yu-Hsien Chen                                  *Suzhou, China*  
Kennedy Michelle Ellis                      *Norwalk, Iowa*  
Bianca RaShai Frazier                      *Waterloo, Iowa*  
Nicholas Bradley Frisvold                      *Eagan, Minn.*  
Grace Fritsch                                      *West Chicago, Ill.*

\* William Andrew Geadelmann                      *Adel, Iowa*  
Jacob Michael Hall                              *Whiting, Iowa*  
Jiahao Li    *Xiamen, China*  
\*\* Colin Jacob Long                              *Ankeny, Iowa*  
Daniel James McNerney                      *Des Moines, Iowa*  
Bradley O. Sharp                                  *Chicago, Ill.*  
\* Jacob R. Thomas                                  *Van Horne, Iowa*

## BACHELOR OF SCIENCE

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### Curriculum in Community and Regional Planning

---

Lexi Maddison Blank                              *Grimes, Iowa*  
\*\* Jenna Morgan Gilliam                      *Des Moines, Iowa*  
Nicholas F. Glenn                                  *Ogden, Iowa*  
Zachary John Huggins                      *Cedar Rapids, Iowa*  
Bennett James Johnson                      *Chanhausen, Minn.*  
Robert James Pechman                      *Edina, Minn.*  
Marco Antonio Perla                              *Perry, Iowa*  
Emily Rizvić                                      *Des Moines, Iowa*  
Andrew W. Snyder                              *Ankeny, Iowa*  
John Robert Stensland                      *Waverly, Iowa*  
\* Caroline Renee Stewart                      *Spring Hill, Tenn.*

\* Cum Laude  
\*\* Magna Cum Laude

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



# CANDIDATES FOR DEGREES FROM THE COLLEGE OF ENGINEERING

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## BACHELOR OF SCIENCE

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### Curriculum in Aerospace Engineering

---

Oludamola Abraham Ajayi	Chicago, Ill.	Benjamin R. Lenstra	Peosta, Iowa
Wade Neilson Ammons	Warrenville, Ill.	Carter John Lomicka	Fort Dodge, Iowa
Blake William Bakkum	Aurora, Ill.	Nicholas Mark McArthey	Oconomowoc, Wis.
** Adam Edward Bodenham	Mount Pleasant, Iowa	Connor Lane Montang	Madrid, Iowa
Ryan Michael Brohm	Bettendorf, Iowa	Alexander Grayson Moore	Plano, Tex.
Sushain Chugh	New Delhi, India	Veronika Murzanski	Crystal Lake, Ill.
Shelby Breanne Conry	Griswold, Iowa	Mekhi J. Nichols-Tinsey	Chicago, Ill.
Ricardo J. Cosme Bell	Guaynabo, Puerto Rico	Zachary Tomas Olsen	Naperville, Ill.
Ryan Matthew Crall	Des Moines, Iowa	* Camron J. Olson	Lake Elmo, Minn.
Darrell Charles-Maurice Damiba	Carver, Minn.	Neil Patrick Osborn	Omaha, Neb.
Alexander Jason Dick	Brighton, Mich.	Mathew James Peterson	Stillwater, Minn.
* Nathaniel James Douglas	Byron, Minn.	Ashley Paige Poppinga	The Woodlands, Tex.
* Cole Robert Drenth	Alta, Iowa	Krishna Rangarajan	Plainsboro, N.J.
** Eli Luis Gaeta	Bettendorf, Iowa	James Joseph Roslansky	Chanhassen, Minn.
Jarod Paul Gill	Elk River, Minn.	Kyle James Schoenbauer	New Prague, Minn.
*** Tyler Benjamin Groathouse	Waukee, Iowa	** Joshua Robert Simac	Pana, Ill.
* Justin James Hanson	Woodbury, Minn.	Kathryn M. Spierings	Oregon, Wis.
Dongling He	Kunming, China	Drake Harold Stuesse	Ballwin, Mo.
Joshua Donald Hoffman	Quincy, Ill.	Austin David Suttan	Pleasant Hill, Iowa
Litt Yang Hoh	Kuala Lumpur, Malaysia	*** Logan Scott Swayne	Carver, Minn.
Nicholas Dennis Holaday	Lake Zurich, Ill.	Prashant Thapaliya	Bidur, Nepal
Emily E. Hufferd	North Aurora, Ill.	*** Justin A. Trenkamp	Omaha, Neb.
Nathan James Kero	Prior Lake, Minn.	*** Alexander A. Vande Loo	Stewartville, Minn.
Alfin Chandy Koshy	Mount Prospect, Ill.	Steven C. Volling	Bolingbrook, Ill.
Brina Marie Kraft	Muscatine, Iowa	Vincent M. Vosen	Saint Cloud, Minn.
* Joseph Gunnar Kroll	White Bear Lake, Minn.	Ian M. Wisniewski	Woodridge, Ill.

### Curriculum in Agricultural Engineering

---

** Julia de Mattos Brittes	Campinas, Brazil	Kurtis Jeffrey Oberreuter	Bronson, Iowa
Chase Maloy Bethany	New Hampton, Iowa	Darien Hunter Pidgeon	New London, Iowa
Isaac Timothy Carr	Cedar Springs, Mich.	Tucker C. Robertson	Simi Valley, Calif.
Andrew James Dornbier	Garner, Iowa	* Benjamin Carl Schlueter	Edwardsville, Ill.
** Lucas James Duffy	Eagan, Minn.	Caleb Alan Wandschneider	La Porte City, Iowa
** Nicholas Ronald Frye	Marseilles, Ill.	** Benjamin L. Warner	Williamsfield, Ill.
Sydnee Louise Hansen	Princeton, Ill.	*** Luke R. Wille	Holy Cross, Iowa
Mary Kristine Leasure	Lowell, Mich.	** Cole David Yoder	Kalona, Iowa
Jacob Orville Loutsch	Remsen, Iowa		

### Curriculum in Biological Systems Engineering

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Ivan Avalos	Bolingbrook, Ill.	Madison Marie Eibes	Stacyville, Iowa
Oscar David Brienzo	Sioux City, Iowa	* Anna M. Hanson	Forest Lake, Minn.
Emily Ann Dearden	Bondurant, Iowa	*** Kate Ann Jaros	Saint Charles, Iowa
Emily Rose DeJesu	Barrington, Ill.	* Johnathan James Price	Ankeny, Iowa
Carter Paul Eason	Des Moines, Iowa	Travis James Wanfalt	Ames, Iowa

## Curriculum in Chemical Engineering

Jazmine Kay Adamson	West Des Moines, Iowa	Angelica Guadalupe Lopez	Streamwood, Ill.
Christopher R. Adler	Barrington, Ill.	** Zachary Thomas Lynch	Ames, Iowa
** Andrea Alvarez	Ponce, Puerto Rico	Jack Henry Maass	Wahoo, Neb.
David Alan Boorom	Crystal Lake, Ill.	Andrew James Martin	Lathrop, Mo.
** Anna Laurene Buchholz	Decatur, Ill.	Connor Michael McCune	Maple Grove, Minn.
** Ting-Hung Chu	Taipei, Taiwan	Khang Thanh Nguyen	New Hope, Minn.
** John Patrick Cramsey	Loraine, Ill.	Andrew Thomas Noel	The Woodlands, Tex.
Alex David Cruthis	Clinton, Iowa	Apiew Moses Ochan	Ames, Iowa
* Roger Cruz	Ottumwa, Iowa	Graham Wesley Owen	Geneva, Ill.
Taylor Lyn Dockery	Imperial, Mo.	Isaiah David Pearson	Crystal, Minn.
* Brock Barker Duffield	Davenport, Iowa	Carrie Ann Peterson	Bettendorf, Iowa
Allyson Dawn Ehlers	Cary, Ill.	Jacob A. Rohman	West Des Moines, Iowa
Benjamin Blake Eide	Maple Grove, Minn.	** Grant Francis Samson	Ames, Iowa
Samantha P. Eltze	Cedar Rapids, Iowa	* Jaclyn Elizabeth Simons	Cedar Rapids, Iowa
Sarah Marie Fangrow	Aurora, Colo.	** Cole Mitchell Smith	Vinton, Iowa
* Sean M. Gallagher	Saint Charles, Ill.	William Matthew Smith	Muscatine, Iowa
Michael Joseph Garcia	Winterset, Iowa	* Paul F. Sommer	Libertyville, Ill.
Madelynne Ann Goodeaux	Beaumont, Tex.	*** Bryce Stubbings	Winnipeg, Canada
Kevin Joseph Gould	St. Charles, Ill.	Nathan Michael Thomas	Iowa City, Iowa
Danny Guce	Park Ridge, Ill.	* Josephine Ann Trager	Belmond, Iowa
Bekah Noel Hall	Des Moines, Iowa	Cindy Thi Tran	Cedar Falls, Iowa
Micah Everett Hollenbeck	Ballwin, Mo.	Yekaterina L. Vang	Hayfork, Calif.
* Timothy Peter Kaufmann	Cedar Rapids, Iowa	Anna Zheng	Plymouth, Minn.
Joyee Leong	Shah Alam, Malaysia		

## Curriculum in Civil Engineering

William Thomas Ahlers	Maple Grove, Minn.	John Jerry Marvig	Chaska, Minn.
Austin Anthony Aigner	Wayne, Ill.	* Gretchen Karis Mathiason	Golden Valley, Minn.
Ethan Akkawi	Downers Grove, Ill.	Patrick Richard McDougall	Bloomfield, Iowa
Saif Faris Alobaidi	West Des Moines, Iowa	* Ryan Modlin	Pleasant Hill, Iowa
Lucas Christopher Batten	Farmington, Iowa	* Shannon Marie Morrissey	Fairfield, Iowa
Brian S. Boger	Colfax, Iowa	Andrew Dean Mota-Culberson	Marion, Iowa
* Jakob R. Bruxvoort	Fort Collins, Colo.	German Muñoz	Saint Charles, Ill.
Jonah Harry Buchwald	Farmington, Minn.	Omar Okasha	Dubai, United Arab Emirates
Samuel Joseph Buffo	Elmhurst, Ill.	* Johnathan Gabriel Prose	Oregon, Ill.
Jansen K. Bundridge	Maryville, Mo.	Ralph Catunao Rapanut	Yigo, Guam
Jonathon Werner Calder	Chicago, Ill.	Andrea L. Schaub	Monticello, Minn.
* Seng Wei Chu	Melaka, Malaysia	*** Thomas Patrick Schnaufer	Marion, Iowa
Caitlin Eckert	Oswego, Ill.	Hunter Mitchell Scott	Farmington, Minn.
Ethan James Frostestad	Lee's Summit, Mo.	* Catherine Gayle Seams	Corpus Christi, Tex.
Nicholas Dean Guisti	Peru, Ill.	Jordan Thomas Sinner	Ham Lake, Minn.
Braeden Matthew Gustafson	Ankeny, Iowa	Drew Brandon Stafne	Woodbury, Minn.
Jonathan Hall Jr.	South Holland, Ill.	Cassidy Ann Stone	Winton, Calif.
Yingxu Han	Jinan, China	Timothy Joel Stover	Cedar Rapids, Iowa
Cole Joseph Hildebrand	Marion, Iowa	** Brian Charles Todey	Ames, Iowa
William Harrison Horn	Hainesville, Ill.	Vince C. Tursi	Lake Zurich, Ill.
Erik Michael Jorgensen	Avoca, Iowa	** Ethan Joshua Van Sickle	Cedar Falls, Iowa
Mason James Boyer Keefe	Lakeville, Minn.	Xi Wei	Lanzhou, China
Grant Hall Krichel	Woodward, Iowa	* Jacob Howard Wick	Lake Mills, Iowa
Bobbi Lee Krug	Ames, Iowa	** Clarissa Leeann Woodward	Iowa City, Iowa
Joshua Andrew Lensing	Ridgeway, Iowa	Caleb Davis Wuestenberg	Huxley, Iowa
Luke Gerald Lynn	Mokena, Ill.	Zhengwen Zuo	Baoji, China

## Curriculum in Computer Engineering

Logan Richard Anderson	River Falls, Wis.	Theodore Caden Davis	Eldon, Iowa
** Elisabeth Bair	Cedar Rapids, Iowa	Corrine N. Dornbach	Webster, Minn.
***† Dakota John Berbrich	New Ulm, Minn.	Michael Francis Doyle	Frankfort, Ill.

\* Cum Laude

\*\*\* Summa Cum Laude

\*\* Magna Cum Laude

† Honors Program

****† Matthew Patrick Dwyer	Rosemount, Minn.	** Lucas J. Keller	Bettendorf, Iowa
Ethan Dilon Evans	Joice, Iowa	Jordan A. Kirchhoff	Waterloo, Iowa
William Paul Gavins	Monona, Wis.	* Ryan John Lanciloti	Davenport, Iowa
Vismay Gehlot	Schaumburg, Ill.	Parker J. Larsen	Clive, Iowa
** Braedon Daniel Giblin	Park Ridge, Ill.	Hamza Mostafa S. Mahmoud	Giza, Egypt
Aaron Jonathan Goff	Ames, Iowa	Aaron S. Martin	South Elgin, Ill.
Sean Michael Griffen	Red Oak, Iowa	Nathan Jerome Orts	Maplewood, Minn.
Margaret Ann Heaslip	Rockford, Ill.	Thai Vinh Pham	Des Moines, Iowa
Jared M. Hermon	Johnston, Iowa	Benjamin James Pierre	Polk City, Iowa
Jordan Douglas Jacobson	Ames, Iowa	** Gabriel M. W. Rueger	Hubbard, Iowa
* Nolan Anthony Jessen	Marion, Iowa	Anh Duy To	Iowa City, Iowa
Tyler Dean Johnson	Burlington, Iowa	** Tary Mason Todd	Saint Peters, Mo.
Chandler Robert Jurenic	Le Mars, Iowa	Abhilash Tripathy	New Delhi, India
****† Zachary Thomas Kauffman	Woodbury, Minn.	* Taylor Charles Weil	West Des Moines, Iowa
* Chinar Kaul	West Des Moines, Iowa	* Xinlei Yu	Chongqing, China

### Curriculum in Construction Engineering

* Austin Ryan Allard	Akron, Iowa	Zachory Joseph Owens	Wellman, Iowa
Peyton John Brunkow	Ankeny, Iowa	Mason Christopher Redpath	Naperville, Ill.
Jake Daniel Carani	Sycamore, Ill.	Christian T. Robertson	Grimes, Iowa
* Matthew Michael Green	Riceville, Iowa	Elijah Alan Rochleau	Huxley, Iowa
Miguel Angel Guerrero	Skokie, Ill.	Joel David Schillinger	Cedar Rapids, Iowa
Thomas Jacob Huber	Bartlett, Ill.	Jeremy Wayne Schmitz	Jesup, Iowa
Nickolas Kevin Jorgensen	Dallas Center, Iowa	Kenan Subasic	West Des Moines, Iowa
Harry Charles Lally III	Carol Stream, Ill.	Drew James Vesely	Zionsville, Ind.
Nicholas Daniel Lemmon	Britt, Iowa	Benjamin Ryan Wade	Underwood, Iowa
Michael Paul Livermore	Marion, Iowa	Brittany Marie Wall	Aurora, Ill.
Andrew Matthew London	Lake in the Hills, Ill.	Matthew Vincent Wegerer	Coal Valley, Ill.
Kyle J. Malaker	Lake Villa, Ill.	Spencer Mitchell Weiland	Naperville, Ill.
Maxwell S. Martinez	Davenport, Iowa	Ahmed Alamin Yosif	Ames, Iowa
Natalie Anne Modrich	Fort Gratiot, Mich.	Joshua William Zeien	Lake Elmo, Minn.
Dylan O'Malley	Northbrook, Ill.		

### Curriculum in Cyber Security Engineering

Aaron Cameron Anderson	Stillwater, Minn.	Marcus James Reecy	Ames, Iowa
Noah Edward Berkland	Davenport, Iowa		

### Curriculum in Electrical Engineering

* Hussein H. Abbakar	Cedar Rapids, Iowa	** Alyssa Rose Marshall	Bartlett, Ill.
Conor Dane Albinger	Ames, Iowa	* Bradley Ray Norman	Omaha, Neb.
* Aisha S. Alzaabi	Sharjah, United Arab Emirates	* Matthew J. Pfeiffer	Freeport, Ill.
Leonardo Bertonecello Machado	Concórdia, Brazil	Daniel Patrick Phalen	Vernon Hills, Ill.
*** John Richard Brose	Waconia, Minn.	Thomas A. Smeed	Cedar Rapids, Iowa
David Emmanuel Dalo	Des Plaines, Ill.	Krishan Selvyn Sritharan	Ames, Iowa
Rohan C. Gijare	Mumbai, India	Chase Matthew Stahl	West Des Moines, Iowa
* Mohammad M. Habib	Ames, Iowa	Micheal Minh Thai	Davenport, Iowa
Abdelaziz A. Hassan	Ames, Iowa	* Prince Kika Tshombe	Cedar Rapids, Iowa
Logan Kerry Hinkle	Junction City, Wis.	Grace Elizabeth Wilkins	Schaumburg, Ill.
Sterling D. Hulling	Ankeny, Iowa	Julia Zhang	Oakland, Calif.
Joey M. Kremer	Blue Grass, Iowa	Pinjia Zhang	Hefei, China
Daniel John Lamar	Crystal Lake, Ill.	Haan Erik Zilmer	Palos Verdes Peninsula, Calif.
* Jake Douglas Larimore	Ames, Iowa		

### Curriculum in Industrial Engineering

Abdulgaleel A. N. Alhazmi	Jeddah, Saudi Arabia	Jordan Anthony Balk	Marion, Iowa
Luis Enrique Arce	Rockford, Ill.	* Blake Michael Barquist	Jewell, Iowa

\* Cum Laude  
\*\* Magna Cum Laude

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

*** Mitchell Austin Black	Davenport, Iowa	Justin Thomas Mraz	Brooklyn Park, Minn.
Mackenzie Ryan Bochart	Washington, Ill.	Grace J. Nashleanas	Sioux City, Iowa
* Taylor Rose Butler	Dubuque, Iowa	Hunter Victoria Nelson	Cambridge, Ill.
Will Kenneth Chaney	Geneseo, Ill.	*** Curtis Earl Peters	Ankeny, Iowa
Jianan Chen	Cedar Falls, Iowa	** Ashley Joann Sackpraseuth	Des Moines, Iowa
Cody Alan Frame	Boone, Iowa	Lauren Katherine Shotts	Highland Park, Ill.
** Joseph R. Gibbons	Ames, Iowa	Kyle Thomas Simatos	Village of Lakewood, Ill.
Cole Joseph Giess	Overland Park, Kans.	Morgan Ann Skocz	Arlington Heights, Ill.
*** Trevor Glenn Gould	Bartonville, Ill.	** Erin E. Starkey	Colona, Ill.
Leilani M. Hammel	Bloomington, Ill.	William Stemler	Excelsior, Minn.
** Dakotah Jacob Herr	Van Meter, Iowa	Gabriell A. Stolton	Ames, Iowa
* Jesse Tyler Hupp	Charter Oak, Iowa	* Joseph John Straub IV	Adel, Iowa
Jeremy Ildefonso	Elmwood Park, Ill.	** Paige Cristine Stropes	Orion, Ill.
Yan Jiang	Yangzhou, China	Michael Jacob Sullivan	Medina, Minn.
**† Sylvia Rae Knight	Plainfield, Ill.	Alexander Dean Ulbrich	Ames, Iowa
*** Noah Thompson Krichau	Indianola, Iowa	* Zachary Isaac Ungerleider	Northbrook, Ill.
Edwin Kipkosgei Kurgat	Martin, Tenn.	Logan Francis Weber	Geneseo, Ill.
Ayuush Mehta	New Delhi, India	Blake Allan Welter	Cedar Rapids, Iowa
Jeongin Moon	Palatine, Ill.	Jared Douglas Witke	Urbandale, Iowa
Nouraldin M. Mostafa	Kuwait City, Kuwait		

### Curriculum in Materials Engineering

Jarod John Bodensteiner	Fairbank, Iowa	Tae Hyung Kim	Seoul, South Korea
* Matthew Morton Dolde	Johnston, Iowa	* Chanhong Lee	Hongcheon, South Korea
Alexander Cruise-David Faucz	Altoona, Iowa	Gage Alan Tuttle	Milford, Iowa
Jordan Alexei Gomes	Janesville, Iowa	Morgan M. Van Staalduein	Marshalltown, Iowa
** Tara Marie Hoffman	West Branch, Iowa	Spencer Phillip West	Dubuque, Iowa

### Curriculum in Mechanical Engineering

** Zidane Abdul Aziz	Kannur, India	* Gavin James Eddinger	Aurora, Ill.
Grant James Baker	Mound, Minn.	*** Matthew Eisner	Mequon, Wis.
** Adam Neal Barkema	Monticello, Iowa	Katherine Ann Fellenz	Oregon, Wis.
Jacob A. Baumstark	Chicago, Ill.	Nicholas Sean Ferguson	Plainfield, Ill.
Gelana Chalchisa Bayeta	Sioux City, Iowa	* Owen J. Fischer	Altoona, Iowa
Parker David Bentz	Ankeny, Iowa	James Lucas Fukey	Bartlett, Ill.
Kabeer Bhatia	Cedar Falls, Iowa	Kendal John Gast	Steamboat Rock, Iowa
** Logan C. Blom	Farmington, Minn.	Ahmed A. Gesalla	Des Moines, Iowa
Carson Timothy Bormann	Ankeny, Iowa	Dav S. Goel	Bondurant, Iowa
Michael Patrick Buenzow	Cedar Rapids, Iowa	* Raul D. Gonzalez Garcia	Caracas, Venezuela
Charles Oliver Burke	Naperville, Ill.	Joshua Allen Gouldsmith Jr.	Blue Springs, Mo.
Eli Ryan Bush	Northbrook, Ill.	*** Bella Ingeborg Guyll	Nevada, Iowa
** Abigail E. Carey	Orion, Ill.	* Noah Tyler Haack	Cedar Falls, Iowa
** Graham Freese Carroll	Highlands Ranch, Colo.	* Nicholas James Hadzima	Maple Grove, Minn.
** Aman Zachary Singh Cerny	Mundelein, Ill.	* Victoria Helen Hennessey	Homer Glen, Ill.
** Justin Cuaresma Chan	Huntley, Ill.	Vincent Albert Hoffman	Inverness, Ill.
Yiqiu Chen	Suzhou, China	** Joel Huerta-Musil	Texcoco, Mexico
Tristan Cody Coble	Johnston, Iowa	** Paul R. Iman	Antioch, Ill.
* Arthur Coelho Teixeira	Belo Horizonte, Brazil	Wyatt Andrew Jamison	Ankeny, Iowa
Barbosa		** Joshua Ryan Jarnagin	River Grove, Ill.
Noah Christopher Copney	Clear Lake, Iowa	Hunter Rollen Jesse	Des Moines, Iowa
Dawson Matthew Cordes	Springville, Iowa	** Kristian Dean Jimenez	Antioch, Ill.
Jose B. Corrales	Davenport, Iowa	Samuel E. Juarez Marroquin	Perry, Iowa
*** Jakob Mikel Courbat	Cedar Falls, Iowa	Kyeongho Kim	Seoul, South Korea
* Jacob A. Deanda-Kovera	Chicago, Ill.	Myungkyu Kim	Seoul, South Korea
Colby J. Deraad	Knoxville, Iowa	Alex Sam Kooistra	Larchwood, Iowa
Connor Ryan Detamble	Plainfield, Ill.	* Jack Ryan Larish	Lakeville, Minn.
Michael Anthony DeAmico	Aurora, Ill.	Jay Ethan Larson	Cedar Rapids, Iowa
Jillian Alice Dunn	Mason City, Iowa	* Shane Michael Lash	Union, Ky.
** Blake Robert Ealy	Iowa City, Iowa	Nhut H. Le	Mount Pleasant, Iowa

\* Cum Laude

\*\*\* Summa Cum Laude

\*\* Magna Cum Laude

† Honors Program



Allison Marie Leppert	Dubuque, Iowa	** Samuel Joseph Rohlman	Iowa City, Iowa
Sari Zacharias Lewinsky	Mequon, Wis.	Nicholas Michael Rolling	Waseca, Minn.
*** Tingkai Li	Quanzhou, China	Jacob M. Rygh	Stillwater, Minn.
Axel Antonio Lopez Maldonado	Ponce, Puerto Rico	* Noah David Sander	Newton, Iowa
* Daniel James Lovig	Cedar Rapids, Iowa	Michael Alexander Schmitz	Niskayuna, N.Y.
Joshua David Lynde	Rockford, Ill.	Scott Patrick Schnieder	Worthington, Minn.
*** Collin Robert Maahs	Ankeny, Iowa	Connor Richard Schultz	Ankeny, Iowa
Landon Carl Mahowald	Lakeville, Minn.	* Wen Zhe Shau	Labuan, Malaysia
Joseph Lewis Massey	Naperville, Ill.	* Noah James Sova	Stillwater, Minn.
Jacob Anthony Maurstad	Andover, Minn.	*** Matthew Timothy Sporre	Brooklyn Park, Minn.
James Christian Milder	Winfield, Ill.	Edward Zackary Stanek	Omaha, Neb.
Luke Patrick Miller	Libertyville, Ill.	* Jonathan Leo Stavos	Glenwood, Iowa
Andrew Jefferson Moffatt	Cedar Rapids, Iowa	Zachary Andrew Stone	Atwater, Calif.
Mitchell Dean Mueller	Broomfield, Colo.	*** Conner R. Stonewall	Marshalltown, Iowa
Alfredo Alan Nevarez Jr.	Hinsdale, Ill.	Sabrina Marie Sullivan	Buffalo Grove, Ill.
Thai H. Nguyen	Des Moines, Iowa	John Mahmoud Tayeb	Rochester, Minn.
Gabriel Niedziewski Goularte	Joinville, Brazil	Bethany R. Tegeler	Clinton, Iowa
Declan Sean O'Brien	Grimes, Iowa	Brady Nicholas Tilkes	Mason City, Iowa
* Corrigan Michael Ouverson	Clear Lake, Iowa	Joshua Steven Timm	Cedar Falls, Iowa
Matthew John Pamperin	La Crosse, Wis.	Zachary Verding Trochlil	Plymouth, Minn.
Matthew C. Parcher	Northwood, Iowa	** Olivia Karen Tyrrell	Downers Grove, Ill.
Mohammad Zaki Maaz Patel	Mumbai, India	Amangeldy Ungarov	Almaty, Kazakhstan
Thomas V. Paul	St. Charles, Ill.	Inaki Uriagereka Golpe	Coruña, Spain
** Lucas Christopher Pearson	Prior Lake, Minn.	Ross Urquhart	Woodbury, Minn.
Ethan Russell Piszczek	Yorkville, Ill.	Jonathan Allan Van Est	Muscatine, Iowa
Jacob Tyler Porter	Norwalk, Iowa	Matthew S. Vandenburg	Bolton, Conn.
* Michael James Rademacher	Prior Lake, Minn.	Natalie Warner	Ames, Iowa
Thomas E. Rapp	Iowa City, Iowa	** Michael Ryan White	Ankeny, Iowa
Amir Rushaidi Tan Rashid Tan	Kuala Lumpur, Malaysia	Cailin Acacia Winters	Omaha, Neb.
* Dinoth Chamantha Rathnaweera	Kandy, Sri Lanka	* Andrew Joseph Witters	LeClaire, Iowa
* Reilly Victor Reifsteck	Herscher, Ill.	Jimmy Ka Hao Wu	Eldridge, Iowa
** Samuel James Reimer	Rochester, Minn.	* Brandon Jacob Wyttenbach	Kirkwood, Mo.
Benjamin Grant Reuter	Woodbury, Minn.	Haoyu Xu	Yangzhou, China

## Curriculum in Software Engineering

Jacob Allen Abkes	Iowa Falls, Iowa	Joshua Thomas Moeller	Story City, Iowa
Aidan B. Andreas	Palatine, Ill.	Austin Christopher Nebel	Durango, Iowa
** Lucas John Bell-Steckel	Polk City, Iowa	Muhammad Khairi Norizan	Malaysia
* Dylan Alan Black	Ankeny, Iowa	John Edward Paton	Schaumburg, Ill.
* Zachary Michael Borchard	Burlington, Iowa	* William Peng	Bettendorf, Iowa
Jacob Kent Christopherson	Aurora, Ill.	Jack Michael Phillips	Cedar Rapids, Iowa
Spencer J. Davis	Robins, Iowa	Ashley Kira Pierce	Colfax, Iowa
Andrew M. Dort	Woodstock, Ill.	Akhilesh Ratnakumar	Colombo, Sri Lanka
Andrew Joseph Dugan	Homer Glen, Ill.	*** Patrick K. Shirazi	Iowa City, Iowa
Joshua Edwards	Ballwin, Mo.	Morgan Marie Smith	Nevada, Iowa
Maxwell J. Farver	Macedonia, Iowa	Owen David Snyder	West Des Moines, Iowa
** Andrew Steven Goluch	Inverness, Ill.	Brody Michael Sunsten	Saint Michael, Minn.
Chandler John Hagen	Carroll, Iowa	Cody Justin Tomkins	Dubuque, Iowa
Thomas M. Hotard	Bettendorf, Iowa	Max Van de Wille	Encinitas, Calif.
Zaid Kanaan	Methuen, Mass.	Sebastian C. Vang	Ankeny, Iowa
*** Bret James Knous	Eldridge, Iowa	Shivam Vijay Vashi	Algonquin, Ill.
*** Luke John Knous	Eldridge, Iowa	Zhi Wang	Zhengzhou, China
*** Nicholas Farha Landon	Lee's Summit, Mo.	*** Brett Charles White II	Macedonia, Ohio
Michael Lee Lauderback	Fort Collins, Colo.	** Maxwell Allyen Wilson	Lakewood, Colo.
Cavin Kyle Leeds	Stratford, Iowa	Emileo Xiao	Coralville, Iowa
Samuel A. Massey	Bartlett, Ill.	Brady Zalasky	Ames, Iowa
Sean Joseph McClannahan	Marion, Iowa	Elias Pierre Lormongo	
Dylan Michael McCormick	Urbandale, Iowa	Zougmore	Ouagadougou, Burkina Faso

## Multiple Curricula and Majors

---

**Grgory James Bizoff** *Saint Louis, Mo.*  
Electrical Engineering and Liberal Arts and  
Sciences: Major in Physics

\*\*\* **Brandon Theodore Crow** *Ames, Iowa*  
Aerospace Engineering and Liberal Arts and  
Sciences: Major in Mathematics

**Dalton Zebekiah Handling** *Drakesville, Iowa*  
Civil Engineering and Liberal Arts and Sciences:  
Major in World Languages and Cultures (Spanish)

\*\*\* **Christopher G. Johannsen** *Cary, Ill.*  
Computer Engineering and Liberal Arts and  
Sciences: Major in Philosophy

**Elizabeth Jane Pierce** *Cedar Falls, Iowa*  
Industrial Engineering and Liberal Arts and  
Sciences: Major in Women's and Gender Studies

\*\* **Finlan Michael Rhodes** *Marion, Iowa*  
Chemical Engineering and Liberal Arts and  
Sciences: Major in Computer Science

**Miguel Angel Sanchez Jr.** *Dubuque, Iowa*  
Aerospace Engineering and Liberal Arts and  
Sciences: Major in World Languages and Cultures  
(German)

\*\*\* **Joshua A. Slagle** *Marion, Iowa*  
Software Engineering and Liberal Arts and  
Sciences: Major in Physics and Liberal Arts and  
Sciences: Major in Mathematics

**Sierra Loretta Teeter** *Lake in the Hills, Ill.*  
Chemical Engineering and Liberal Arts and  
Sciences: Major in World Languages and Cultures  
(Spanish)

# CANDIDATES FOR DEGREES FROM THE COLLEGE OF HUMAN SCIENCES

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## BACHELOR OF SCIENCE

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### Curriculum in Apparel, Merchandising, and Design

---

** Haley Blizzard	Chisago City, Minn.	Autumn Skye Henderson	Waterloo, Iowa
* Ella Renee Bream	Urbandale, Iowa	Jesse Ruth Howard	Adel, Iowa
* Kayla Cameron	Hinsdale, Ill.	Chloe M. Jamason	Waterloo, Iowa
** Kayla Renae Crouse	Dallas Center, Iowa	* Jaclyn Elizabeth Joseph	Rosemount, Minn.
Elizabeth Delatorre	Tama, Iowa	Shea Larimer Lewis	Coralville, Iowa
** Rebecca Ashley Dux	Pella, Iowa	Anna Grace Dahyekim Molinari	Bettendorf, Iowa
** Madeline Grace Egbert	Saint Michael, Minn.	* Lauren Elizabeth Niehm	Ames, Iowa
* Grace Ann Erickson	Sergeant Bluff, Iowa	Mimi Vicky Phimpangsy	Des Moines, Iowa
Ricardo Miguel Field	Des Moines, Iowa	Avery Maklayne Poole	Sioux City, Iowa
Madison Taylor Finstad	Clear Lake, Iowa	Avery Shea Rhodes	Waco, Tex.
** Gabrielle Rose Gordon	Des Moines, Iowa	****† Amy Margaret Schraeder	Olathe, Kans.
Emma Ann Payne Gosnell	Des Moines, Iowa	McKenna Marie Smith	Moline, Ill.
Gretta Elizabeth Hegland	Norwalk, Iowa	Stephany Marie Twit	Clive, Iowa
** Brandie Rhea Heller	Kilkenny, Minn.	Abby Wright	Duluth, Minn.

### Curriculum in Child, Adult, and Family Services

---

Abigail Katherine Powell Des Moines, Iowa

### Curriculum in Culinary Food Science

---

* Ellen Ruby Arntz	Waconia, Minn.	** Jacie Lynn Legois	Luxemburg, Wis.
Jared T. Brauman	Linn Creek, Mo.	* Sarah R. Schwartz	Bettendorf, Iowa

### Curriculum in Dietetics

---

Zachary Brian Conati Saint Louis Park, Minn.

### Curriculum in Early Childcare Education and Programming

---

Miranda Leigh McDonough Cedar Rapids, Iowa

### Curriculum in Early Childhood Education

---

** Mackenzie Ruth Abrams	Ames, Iowa	Margaret Elizabeth Sabharwal	Antioch, Ill.
*** Madison Elise Lanza	Cambridge, Iowa	*** Sarah E. Sarver	Pella, Iowa

### Curriculum in Elementary Education

---

Maggie Jean Abbott	Gurnee, Ill.	** Cassidy Sue Branning	Carroll, Iowa
Kellsie Cora Anderson	Robins, Iowa	Ashley Nicole Burns	Story City, Iowa
Kylie Nicole Anderson	Carroll, Iowa	Paige Helene Caltrider	Carroll, Iowa
Amber Melissa Banda	Denison, Iowa	*** Madison K. Considine	Naperville, Ill.
** Anna Marie Beasley	Fairfield, Iowa	* Kendra Mckenzie Cooper	Des Moines, Iowa
* Emma Catherine Beuter	Ankeny, Iowa	Mackenzie Jeane Dettman	Mason City, Iowa
Katelyn Elaine Bierle Hunt	Garner, Iowa	*** Emma Jane Dresser	Ames, Iowa
Dana Jo Bradshaw	Carlisle, Iowa	*** Raymond Daniel Duve IV	West Des Moines, Iowa
** Kyla Shae Brandenburg	Ames, Iowa	Amanda Colleen Evans	Johnston, Iowa

\* Cum Laude

\*\*\* Summa Cum Laude

\*\* Magna Cum Laude

† Honors Program

** Drew Christopher Fielder	Webster City, Iowa	Ally Elizabeth Monk	Decorah, Iowa
Sean Patrick Flynn	Cherry Valley, Ill.	Brenna Lynn Neville	Odebolt, Iowa
** Abigail Jean Folkerts	Des Moines, Iowa	*** Kylie Nicole Nichols	Ogden, Iowa
Ashley Rose Garrelts	Mount Vernon, Iowa	** Jensen D. Pauley	Newton, Iowa
Grace Claire Geneser	Cedar Rapids, Iowa	Calah Anne Payton	Estherville, Iowa
Lauryn Rose Giles	Edina, Minn.	Cayla Michelle Pieper	Wever, Iowa
** Samantha Raye Hardaway	Jefferson, Iowa	** Caitlin Haley Rafter	Cedar Rapids, Iowa
* Samantha Anne Hegwood	Knoxville, Iowa	** Kaylee Makenzie Schriver	Bettendorf, Iowa
** Elizabeth Wray Hill	Adel, Iowa	Carmen Segoviano Quezada	Denison, Iowa
Shaina Jae Hoekstra	Hull, Iowa	*** Taylor Anne Sicard	Ackley, Iowa
** Emily Grace Howes-Vonstein	Vinton, Iowa	** Brittany Ann Smith	Greenfield, Iowa
** Sydney Lynn Hudspeth	Britt, Iowa	Paige Noel Smithart	Sigourney, Iowa
** Zachary Bennett Johnson	Clive, Iowa	** Kaylee Rae Stephen	Monticello, Iowa
Riley Kae Kaufman	Winterset, Iowa	MacKenzie Lee Taylor	McGregor, Iowa
*** Josie Lee Lane	Prairie City, Iowa	** Payton Mckenna Thomas	Corning, Iowa
*** Aubree Renae Langhurst	Cedar Rapids, Iowa	Sarah Elizabeth Trail	New Virginia, Iowa
Sydney Jane Lehman	Superior, Colo.	** Josie Elaine Van Houten	Council Bluffs, Iowa
Julia Anne Markert	Clare, Iowa	Alexa Jo Whipple	Story City, Iowa
Jaret D. Miller	West Des Moines, Iowa	* Kimberly Ann Zavoski	Johnston, Iowa
Lillian L. Mindrup	Waukee, Iowa		

### Curriculum in Event Management

* Aleah Taylor Anderson	Urbandale, Iowa	*** Grace Alice Hoins	Waverly, Iowa
Diego Bonilla	Wood Dale, Ill.	Caysie May Johnson	Woodbury, Minn.
Keaton Matthew Brenizer	Pella, Iowa	Katherine Elizabeth Kelly	Urbandale, Iowa
** Yibing Chen	Suzhou, China	** Lauren Patricia Landis	Galva, Ill.
** Lindsay Caitlin Cox	Milwaukee, Wis.	** Brooke Marie Mease	Marion, Iowa
Quinn Olivia Ditolla	Urbandale, Iowa	** Lea Agnes Therese Mukengeshayi	Niamey, Niger
*** Cali Dobosz	Park Ridge, Ill.	Madison Kay Regan	Shenandoah, Iowa
**† Danielle Ann Elliott	Minden, Iowa	Ella Genevieve Schacherer	Saint Louis Park, Minn.
*** Chantel Olivia Flack	Jefferson, Iowa	Zeke Alexander Whetstone	Atlantic, Iowa
* Blair Madison Flammond	Brookings, S. Dak.	** Emory Grace Widlowski	Urbandale, Iowa
*** Megan Elaine Sigmund Fritz	Windsor Heights, Iowa	* Taylor Rose Willer	Fort Dodge, Iowa
** Caylie Jae Hickman	Mount Ayr, Iowa		

### Curriculum in Family and Consumer Sciences Education and Studies

*** Mariah Keri Armstrong	Runnells, Iowa	** Cassie Marie Hoefling	Sioux City, Iowa
** Mekayla Jo Cannon	Sumner, Iowa	Wendy Alice Violet McVey	Ottumwa, Iowa
* Kelsey Jo Hansen	Jesup, Iowa		

### Curriculum in Financial Counseling and Planning

*** Karley Marie Hanson	Estherville, Iowa	** Marissa Jean Surette	Naples, Fla.
*** Kelsey Marie Havel	Altoona, Iowa	Jack Welch Thompson	Edina, Minn.
** Parker Austin Meyer	Whittemore, Iowa		

### Curriculum in Food Science

** Sophia Ann Cordaro	Johnston, Iowa	Rachel Elena Velazquez	Ames, Iowa
*** Peilin Li	Jiangmen, China		

### Curriculum in Hospitality Management

Eliana Faith Crabb	Kenosha, Wis.	Natalia Ros Vaquer	Palma de Mallorca, Spain
Max Bailey Davis	Keswick, Iowa		



## Curriculum in Human Development and Family Studies

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Faith Ciara Arnold	Tyler, Tex.	* Paige Lynette Harberts	Denver, Iowa
** Bridget Nicole Campbell	Norwalk, Iowa	Samantha Michele Kroeger	Waubeka, Wis.
* Brooklyn Joy Coe	West Des Moines, Iowa	* Tori Lynn Mathis	Altoona, Iowa
Mackenzie Ann Dennhardt	Rippey, Iowa	Jessica N. Onove	Troy, Mo.
Justin Lee Esser	Ankeny, Iowa	** Emily Cheyenne Reinholdt	Monroe, Iowa
* Lexis Ann Ewing	Baxter, Iowa	Kessiah Lynna Taylor	Ankeny, Iowa
*** Alexis Jordan Gourrier	Las Vegas, Nev.	Paige E. Vetter	Clive, Iowa

## Curriculum in Kinesiology and Health

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Rachael Jordan Bair	Braddyville, Iowa	* Lea Marie Lefebure	Camanche, Iowa
** Blaine Kenneth Barber	Panora, Iowa	*** Tyler Joseph Lux	Carroll, Iowa
*** Josiah Robert Bartlett	Clear Lake, Iowa	Morgan Joseph Maher	Newton, Iowa
Derrick Michael Bettle	Ankeny, Iowa	* Courtney Nicole Main	Independence, Iowa
Landen William Burke	Madrid, Iowa	** Madison McArthur-Stroman	Sioux City, Iowa
Abigail K. Burns	Sioux City, Iowa	Macayla Nicole Moore	Ottumwa, Iowa
Dillon Mitchell Burns	Des Moines, Iowa	Aaron James Newman	Ankeny, Iowa
Madelyn Grace Canfield	Pella, Iowa	** Ashtyn Leigh Perrin	Carroll, Iowa
Danielle A. Dahle	Mason City, Iowa	Sierra Sue Petersen	DeWitt, Iowa
* Jake Michael Davis	Newell, Iowa	Amanda Christine Pipolo	Solon, Iowa
Hallie Grace Evans	Ankeny, Iowa	Olivia Frances Pultorak	Dixon, Ill.
Samuel Patric Everhart	Clive, Iowa	* Joshua A. Riesenber	Des Moines, Iowa
Cody James Feldman	Dyersville, Iowa	* Jacob Hunter Sampson	New Sharon, Iowa
***† Kelli Nichole Fogt	Waukee, Iowa	** Evan Robert Schmidt	Johnston, Iowa
Azariah A. Franklin	Milwaukee, Wis.	Dena Marie Searles	Ames, Iowa
Payton Simone Gartin	Ames, Iowa	Alexander James Sinclair	Savage, Minn.
Andrew William Geisert	Liberty, Mo.	** Madisen May Sorensen	Indianola, Iowa
Tanner Wade Hagen	Homestead, Iowa	Ryan Matthew Splavec	Downers Grove, Ill.
** Faith Marie Hagenow	Walford, Iowa	Kira Stark	Clive, Iowa
Brianna Heimann	Adel, Iowa	Nicholas Gene Stein	Algona, Iowa
C. L. Herrera Rodriguez	Tallahassee, Fla.	Avery Celeste Stoll	Grove City, Ohio
Lauren Davis Hulsebus	Donnellson, Iowa	Alexis Dawn Lea Walker	Fort Dodge, Iowa
* Kaitlyn Arlene Cecelia Joniak	Winfield, Ill.	Kyle Stephen Younker	Mason City, Iowa
Travis A. Kane	Cambridge, Ill.		

## Curriculum in Nutritional Science

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* Nobles Antwi Jr.	Shakopee, Minn.	Rylee Sue Richards	Carlisle, Iowa
* Blair Madison Flammond	Brookings, S. Dak.	* Rebecca K. Sharpe	Norwalk, Iowa
Jacob Robert Heerema	Pella, Iowa	***† Rachel Anne Sodawasser	Marion, Iowa
Ryan Thomas Kane	Ankeny, Iowa	Skyilar Jean Veldhouse	Conrad, Iowa

## Multiple Curricula and Majors

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Esther Yu	Macomb, Ill.
Hospitality Management and Event Management	

# BACHELOR OF SCIENCE IN NURSING

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## Curriculum in Nursing

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** Oyepaju Adeteju Salawu	Ankeny, Iowa
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# CANDIDATES FOR DEGREES FROM THE COLLEGE OF LIBERAL ARTS AND SCIENCES

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## BACHELOR OF ARTS

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### Major in Advertising

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* Mariah Kay Burds	Epworth, Iowa	** Eric Allen Masters	Storm Lake, Iowa
Justin Allen Butterfield	Aurora, Ill.	* Madalyn Nicole Mueller	Taylor Ridge, Ill.
Erin Ann Hogan	Chanhassen, Minn.	April Erin Niedermann	Ankeny, Iowa
Josey L. Jacobsen	Avoca, Iowa	*** Morgan Elizabeth Wick	Leland, Iowa
Gabrielle Elise Johnson	Algona, Iowa	** Rebekah Grace Wilson	Ames, Iowa

### Major in Anthropology

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Sam John Mull	Goose Lake, Iowa	Tyler Andre Remling	Marion, Iowa
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### Major in Biological/Pre-Medical Illustration

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Sparrow Lin Hartmann	Ames, Iowa	Elena Angelica Torrez	Marshalltown, Iowa
Margery Sanchez	Riverside, Calif.		

### Major in Chemistry

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Meet Chirag Patel	Unjha, India		
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### Major in Communication Studies

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Nahla Imad Atroon	Ames, Iowa	Jared John Martin	Underwood, Iowa
Collin Steven Ferguson	Plymouth, Minn.	Elizabeth Pamela Moler	Davenport, Iowa
* Milo Troia Greder	Omaha, Neb.	Nolan Thomas Neilson	Champlin, Minn.
Sinjun J. Harshbarger	Madrid, Iowa	* Brock Richard Purdy	Queen Creek, Ariz.
Cory Joe Koster	Ankeny, Iowa	** Brooklyn Rae Sammons	Orient, Iowa

### Major in Criminal Justice

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Anna Claire Bogert	Marion, Iowa	Kylee V. Hinz	Harlan, Iowa
*** Kathryn Jo Burmood	Prescott, Wis.	Xavier B. Hutchinson	St. Augustine, Fla.
Matthew Steven Butcher	Ankeny, Iowa	Tanner Brett Larkey	Solon, Iowa
Naidelyn Patricia Casillas	Des Moines, Iowa	Malena Rae Nyberg	West Des Moines, Iowa
Maxwell Donald Cizek	Manchester, Iowa	Nathan Oliver Payne	Hornick, Iowa
Matthew Trevor Downing	Creston, Iowa	Travae' Donyah Sanders	Chicago, Ill.
Carsyn Rebecca Ehlinger	Urbandale, Iowa	Alyda T. Sok	Inver Grove Heights, Minn.
Tanner S. Eisentrager	Ankeny, Iowa	Joshua Scott Thilges	Algona, Iowa
** Hannah Wen Lu Formaro	Altoona, Iowa	Marygrace D. Wanda	Lakeville, Minn.
Colson Dean Frakes	Tama, Iowa	Aspen Shyann Whyte	Muscataine, Iowa

### Major in English

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* Kyra M. Alexander	Marengo, Iowa	*** Nicole Elizabeth Hirschman	Lawton, Iowa
** Jericho Jacob Baker	Forest City, Iowa	Joseph Mathias Mohr	Pleasantville, Iowa
** Kara Nicole Betts	Jefferson, Iowa	Andrea Dyan White	Des Moines, Iowa
Benjamin James Hart	Cherokee, Iowa	Thomas Karac Wilson	Prescott, Iowa

## Major in Interdisciplinary Studies (Classical Studies)

---

Kyrie J. Howard-Nusbaum *Burlington, Iowa*

## Major in Linguistics

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Chanel Marie Hatton *Auckland, New Zealand* \*\*\* Sydney Nicole Streicher *Red Oak, Iowa*  
\*\*\* Eryn Rose Reesman *Omaha, Neb.* Kian Matthew Torkzadeh *Waukee, Iowa*

## Major in Music

---

Kyle Jordan Spear *Huxley, Iowa*

## Major in Performing Arts

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\*\* Tiffany Marie Waggoner *Ankeny, Iowa*

## Major in Political Science

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Nibrar A. Abdalla *Des Moines, Iowa* Daniel Elliott Hayes *Bartlett, Ill.*  
Cole M. Albritton *Carlisle, Iowa* Chiara Laurette Heinz *Leipzig, Germany*  
Collin M. Arndt *Waukee, Iowa* Taylor Lee Mandsager *Muscatine, Iowa*  
Erin Rose DeMonico *Mayer, Minn.* Emily Rizvić *Des Moines, Iowa*  
\*\* Kathleen S. Fitzsimmons *Windsor Heights, Iowa* Jacob T. Smith *Plainfield, Ill.*  
Trevor James Flanigan *Carol Stream, Ill.* \*\* Joel Edward Williams *Pella, Iowa*  
\*\* Gus Tucker Fuhrman *Cedar Rapids, Iowa*

## Major in Psychology

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\*\* Hope Ashlyn Allen *Des Moines, Iowa* \*\*\* Andrew Joseph More *Saint Clair, Minn.*  
\*\* Rachel F. Bale *Collins, Iowa* \*\* Julia Mae Remackel *Inver Grove Heights, Minn.*  
\*\* Scott Allan Caso *Madison, Conn.* Jordan Nicole Rittenhouse *Waukee, Iowa*  
Isabel Marie Collins *Ames, Iowa* Morgan E. Showalter *Oakland, Iowa*  
Noah Kevin Galloway *Ames, Iowa* Derrick Stowers *Truro, Iowa*  
Shiana Leah Irlbeck *Audubon, Iowa* Johanna Honor Stravers *Okinawa*  
Lauren Bengtsson Johnson *Crystal Lake, Ill.* Keer Su *Zibo, China*  
Alexandra Rae Kruger *Des Moines, Iowa* Derrek Timothy Sutherland *Des Moines, Iowa*  
Shelbey Sue Maskarina *Clear Lake, Iowa* Mackinzie K. Thomas-Clark *Norwalk, Iowa*  
\* Kathryn Jane Metz *Brooklyn, Iowa* Angell Dacian Wilson *Ames, Iowa*  
Zoey Jacqueline Minor *Saint Marys, Iowa*

## Major in Sociology

---

Emma Lanelle Hunter *Le Mars, Iowa* Aye May Paw *Marshalltown, Iowa*  
Shayna Hotaru Johnson *West Des Moines, Iowa* Sydney Dawn Rule-Bagby *Aplington, Iowa*  
\*\* Kate McInroy *Marion, Iowa* Abigail Edith Sheffer *Indianola, Iowa*

## Major in Speech Communication

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Rehgan Alice Schmidt *Marion, Iowa*

## Major in World Languages and Cultures (Spanish)

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\*\*\* Olivia T. Adams-Moulton *Davenport, Iowa*

## Multiple Curricula and Majors

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Taylor Blum Criminal Justice and Psychology	Collinsville, Ill.	Jared Darrell Palmer Communication Studies and Public Relations	Dallas Center, Iowa
*** Kylee Grace Ellis Psychology and Criminal Justice	Lee's Summit, Mo.	Devyn Alexis Samuelson Communication Studies and Interdisciplinary Studies (Classical Studies)	Ryan, Iowa
*† Alejandra Flores Renteria Political Science and History	Chihuahua, Mexico	Adolphe Nimenya Simon Political Science and History	Des Moines, Iowa
Emma Grace Hollenbeck Linguistics and English	Urbandale, Iowa	* Meghan Kayleigh Ulmer Anthropology and World Languages and Cultures (French)	Marion, Iowa
Shelby Jo Karr Communication Studies and Psychology	Newhall, Iowa	Cole Alan Westphal Communication Studies and Speech Communication	Delmar, Iowa
* Gregory Brian Lansing Criminal Justice and Political Science	Maple Grove, Minn.	* Sophia G. Wignall Anthropology and Women's and Gender Studies	Ankeny, Iowa
* Wenqi Lu Sociology and International Studies	Shanghai, China	* Kallianne Nielsen Zack Linguistics and World Languages and Cultures (German)	Broomfield, Colo.
Megan N. Nablo Linguistics and International Studies	Carlisle, Iowa		
Izabelle Matrice Nanke English and Technical Communication	Cedar Rapids, Iowa		

## BACHELOR OF LIBERAL STUDIES

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### Major in Liberal Studies

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Cordarius Devonta Bailey *** Faith Annmarie Boyde Kristjan Dodani Claire Elise Gombs Lauren Nicole Hunt Ahmed Abdulmoneim Ismail Javan Zion Johnson Samantha Lyn Lucio	Clarksdale, Miss. Urbandale, Iowa Ames, Iowa Dunlap, Iowa Clear Lake, Iowa Iowa City, Iowa Decatur, Ala. White Bear Township, Minn.	Tarique Lamar Milton Anthony James Monferdini Marc Janette Snow-Perry ** Ashley Nicole Thomas Jeffrey Thomas Van Winkle Ruby Elizabeth Walter * Kimber Lee Wheelock	Riverview, Fla. Morton, Ill. Ames, Iowa West Des Moines, Iowa Ankeny, Iowa Madrid, Iowa Rowley, Iowa
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## BACHELOR OF SCIENCE

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### Major in Biochemistry

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Jessica Kathryn Agree Patrick John Berges Matthew David Groskopf	West Lafayette, Ind. Hartland, Wis. Libertyville, Ill.	** Yu Ting Liu Mustafa Majid Mirza Anna Zheng	Taoyuan, Taiwan Atlanta, Ga. Plymouth, Minn.
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### Major in Bioinformatics and Computational Biology

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Emily Grace Eckhoff Gijong Nam	Rochester, Minn. Bucheon, South Korea	Rabsa Naseer	Des Moines, Iowa
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## Major in Biology

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*** Alec Patrick Akins	Hugo, Minn.	* Benjamin Tucker Koch	Van Meter, Iowa
Emily Ann Allen	Trevor, Wis.	*** Jocelynn Yeing Luangdetmalay	Des Moines, Iowa
** Molly Elizabeth Bledsoe	Bloomington, Ill.	Xavier Gerard Marshall	Davenport, Iowa
Thomas William Bonus	West Des Moines, Iowa	Kelly N. Mathes	Crystal Lake, Ill.
* Taylor Keitha Brown	Melbourne, Iowa	Xarius Deangelo Mickens	Des Moines, Iowa
** Adriana Clare Cok	Lee's Summit, Mo.	*** Alexa Jane Muhlbauer	Carroll, Iowa
*** Abigail N. Dimmer	Des Moines, Iowa	Patricia A. Ortiz Gracia	Bayamon, Puerto Rico
Jacy Ray Eklund	Afton, Iowa	*** Grant Aaron Podhajsky	Atlantic, Iowa
Jaimie Leigh Forsman	Stacy, Minn.	** Mckenzie K. Speer	West Burlington, Iowa
* Haden Francis Fox	Owatonna, Minn.	** Alexandra Leigh Starkey	Des Moines, Iowa
David Solomon Greene	Elkhart, Iowa	Brady Stephen Steeples	Ankeny, Iowa
** Miranda Nathalia Hughes	Norwalk, Iowa	** Erin Rae Stender	Adel, Iowa
** Alyssa Jo Kateri Ivy	Ankeny, Iowa	Miya Leigh Wawracz-Harms	Burnsville, Minn.
Abby Gail Klahs	Bloomsdale, Mo.	Chenxi Zhu	Changchun, China

## Major in Chemistry

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Nickolas Liam Chalgren	Jewell, Iowa	* Chau Minh Nguyen	Hanoi, Vietnam
Noella Masengesho	Seattle, Wash.	** Erin Rae Stender	Adel, Iowa

## Major in Computer Science

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Nika Babtsov	Charles City, Iowa	Tao Li	Ames, Iowa
Carter L. Chambers	Pleasant Prairie, Wis.	** Leyuan Loh	Seremban, Malaysia
Alejandro Rafael Delbrey		Thomas Josph McAndrew	Dubuque, Iowa
Reyes	Bayamon, Puerto Rico	Evan J. Mills	Elmhurst, Ill.
William Zachary Doughty	Des Moines, Iowa	Akmal Fahmi Mohamad Rafie	Seremban, Malaysia
Nicolas Fox Guerrero	Lisle, Ill.	Elliott Olson	Edina, Minn.
Patrick R. Gustafson	Freeport, Ill.	Adam Nicholas Orgler	Huxley, Iowa
* Dylan Lee Hanson	Fort Dodge, Iowa	Sabitri Pant	Ames, Iowa
** Kaitlyn Jean Hoopingarner	Sioux City, Iowa	Ganesh Prasad	Bengaluru, India
Kamsi Ibeziako	Lawrenceville, Ga.	** Andrew Mark Schmitt	Plymouth, Wis.
Amrithaa Ilanchelian	Mangaf, Kuwait	Benjamin Louis Schroeder	Iowa City, Iowa
* John Steven Lawless	Peoria, Ill.	* Austin T. Sickels	Des Moines, Iowa
*** Bo Sheng Lee	Simpang Ampat, Malaysia	Jesse Gene Galen White	Leon, Iowa
Lance Jefferson Leski	Severn, Md.	Hongsheng Yin	Dalian, China
Jiong Li	Lanzhou, China	** Xiwen Zhang	Dandong, China

## Major in Data Science

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Syed Humaid Hasan	Hoffman Estates, Ill.
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## Major in Economics

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Brandon Ryan Angus	Ankeny, Iowa	Gage Joseph Fuller	Adel, Iowa
* Joshua D. Berge	Nora Springs, Iowa	** Matias T. Ibarburu Sibilis	Ames, Iowa
Ryan Lee Carson	Huxley, Iowa	Odongi Oyuhai Odihak	Torit, South Sudan

## Major in Environmental Science

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** Sara L. Mitchell	Muscatine, Iowa
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## Major in Genetics

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Rachel Alexis Rompala	Shorewood, Ill.	Maci Jo Slaybaugh	Waukee, Iowa
Madeline Marie Shutters	Waukee, Iowa	Jonathon Richard Stroyan	Zwingle, Iowa

\* Cum Laude

\*\*\* Summa Cum Laude

\*\* Magna Cum Laude

† Honors Program

## Major in Geology

---

Payne Mitchell Hoyt                      *Urbandale, Iowa*

## Major in History

---

*** Kenneth Andrew Baker	<i>Ames, Iowa</i>	*** Mason A. Lawrence	<i>Des Moines, Iowa</i>
Faith Elizabeth Burgin	<i>Carlisle, Iowa</i>	Casey Cowles Maccracken	<i>St. Louis, Mo.</i>
Jason Phillip Burmeister	<i>DeWitt, Iowa</i>	Jacob David Martinez	<i>Fruitland, Iowa</i>
Mengyang Cheng	<i>Nanjing, China</i>	*** Ami Lorraine Penquite	<i>Altoona, Iowa</i>
Alexander Sherwood Deam	<i>Ames, Iowa</i>	*** Shayla Marie Peters	<i>Madrid, Iowa</i>
Suzanne M. K. Fitzgerald	<i>Ames, Iowa</i>	Joseph Marion Walker Jr.	<i>Brayton, Iowa</i>
John Richard Greenwood	<i>Johnston, Iowa</i>	Keiara Marie Williams	<i>Kansas City, Mo.</i>

## Major in Journalism and Mass Communication

---

Elizabeth Marie Bousson	<i>Grayslake, Ill.</i>	Jack Upton Shover	<i>Waverly, Iowa</i>
Dakoda William Hall	<i>Waterloo, Iowa</i>	Samuel Case Stuve	<i>Ames, Iowa</i>
* Elizabeth Baccam Khoumlo	<i>Des Moines, Iowa</i>	Emily Paige Uitermarkt	<i>Indianola, Iowa</i>
** Ashlynn Ruby Kile	<i>Norwalk, Iowa</i>	Ciera Brianna Williams	<i>Chicago, Ill.</i>
** Clarissa J. Merschman	<i>Altoona, Iowa</i>		

## Major in Mathematics

---

* Tiffany D. Geiskemper	<i>Naperville, Ill.</i>	** Kyle Robert Staudacher	<i>Cedar Rapids, Iowa</i>
Derek Robert Hollister	<i>Newhall, Iowa</i>	Joshua David Wankel	<i>New Hope, Minn.</i>
* Jack Ryan Kinseth	<i>West Des Moines, Iowa</i>	Mingming Yue	<i>Rizhao, China</i>
Jackson Patrick Lyons	<i>West Des Moines, Iowa</i>		

## Major in Physics

---

* John Steven Lawless	<i>Peoria, Ill.</i>	Thomas K. Walsh	<i>Elk Grove Village, Ill.</i>
Kayshla Marie Lopez Velez	<i>Guayama, Puerto Rico</i>		

## Major in Psychology

---

* Gavin Ray Aalbers	<i>Newton, Iowa</i>	*** Emily Lee Norman	<i>Weston, Mo.</i>
Cameron Michael Bedford	<i>Saint Paul, Minn.</i>	* Kelsie Anne Norris	<i>Bettendorf, Iowa</i>
Benjamin Harris Carlile	<i>Ames, Iowa</i>	Harlee Grace Palmitier	<i>Madrid, Iowa</i>
** Emma Sue Clanin	<i>Cedar Rapids, Iowa</i>	Emily Kathleen Robinson	<i>Urbandale, Iowa</i>
* Kylie Brianna Grant	<i>Des Moines, Iowa</i>	Michalyn Renee Ruby	<i>Plano, Iowa</i>
Thaddeus Russell Hill	<i>Udell, Iowa</i>	** Kyrie Mae Schut	<i>Ankeny, Iowa</i>
** Meghan Michelle Hoefler	<i>Masonville, Iowa</i>	Collin Michael Shannon	<i>Ankeny, Iowa</i>
Xin Yi Regina Hu	<i>Singapore</i>	***† Alexandria Bryn Spencer	<i>Ham Lake, Minn.</i>
Meghan Patricia Kern	<i>Cedar Falls, Iowa</i>	Coby Dean Spiess	<i>West Des Moines, Iowa</i>
*** Abby Renee Lillebo	<i>Des Moines, Iowa</i>	*** Mia Koyuki Stevens	<i>Lake in the Hills, Ill.</i>
*** James Christopher Mahlan	<i>Downers Grove, Ill.</i>	Molly Jai Bryana Tag	<i>Des Moines, Iowa</i>
Vanessa Mireya Marquez	<i>Sioux City, Iowa</i>	Emily Grace Wageman	<i>Waukee, Iowa</i>
Traetin Conrad Marsh	<i>Humboldt, Iowa</i>	** Hannah Kathleen Waskel	<i>Altoona, Iowa</i>
Anderson Labarge Martin	<i>Ankeny, Iowa</i>	*** Lindsay Anne Weyer	<i>Ankeny, Iowa</i>
Katherine Marie Mitchell	<i>Johnston, Iowa</i>		

## Major in Public Relations

---

Tyler James Campbell	<i>Cedar Falls, Iowa</i>	Emma Leigh Meyer	<i>State Center, Iowa</i>
Emma Ruth Icile Haley	<i>DeWitt, Iowa</i>	** Hannah Morrow	<i>Chicago, Ill.</i>
Zachery Thomas Hamilton	<i>Bryant, Iowa</i>	Jailene Celeste Rivas	<i>Baldwin Park, Calif.</i>
Kamryn Elizabeth Huffman	<i>West Des Moines, Iowa</i>	Logan Baird Ruby	<i>Geneva, Ill.</i>
** Grace Ellen Johnson	<i>Clive, Iowa</i>	*** Lexi June Sneller	<i>Sioux City, Iowa</i>
Konner Jurasek	<i>Johnston, Iowa</i>		
Daniel Mendoza	<i>Chelsea, Iowa</i>		

\* Cum Laude

\*\*\* Summa Cum Laude

\*\* Magna Cum Laude

† Honors Program

## Major in Statistics

---

*** Jake Robert Alston Ryan James Barie Hongyeol Choi	<i>Sterling, Ill. Inver Grove Heights, Minn. Ames, Iowa</i>	** Matias T. Ibarburu Sibilis Jeffrey Jay Remlinger Hyun Woo Son Mingming Yue	<i>Ames, Iowa Plainfield, Ill. Ames, Iowa Rizhao, China</i>
*** Emma C. Engelbert Chiyuan Gao	<i>Omaha, Neb. Zhengzhou, China</i>		

## Major in Technical Communication

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* Jason T. Guderjahn Kassandra Allyn Kern	<i>Rosemount, Minn. State Center, Iowa</i>	** Wesley Robert Terry	<i>Huntley, Ill.</i>
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## Multiple Curricula and Majors

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Haley Elizabeth Bix Geology and Environmental Studies	<i>Coin, Iowa</i>	Daniel Javier Christopher Rosales Eide History and Political Science	<i>Indianola, Iowa</i>
***† Calvin Joseph Clark Journalism and Mass Communication and Performing Arts	<i>Fort Dodge, Iowa</i>	*** Sydnee Rose Ruhl Psychology and Criminal Justice	<i>Altoona, Iowa</i>
***† Meg Lauren Grice Public Relations and International Studies	<i>Humboldt, Iowa</i>	* Grace Chunfang Shultis Technical Communication and Linguistics	<i>Shellsburg, Iowa</i>
** Isabelle Claire Kaiser History and Anthropology	<i>Marion, Iowa</i>	** William David Young Psychology and Criminal Justice	<i>Mount Ayr, Iowa</i>



## CANDIDATES FOR COMMISSION

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

<b>United States Air Force</b>	<b>United States Army</b>	<b>United States Marine Corps</b>	<b>United States Navy</b>
Colin Long Ashley Poppinga Jacob Thomas Josephine Trager	Tanner B. Larkey Michael Naert (Summer 2021)	Nicholas James Hadzima Ian Mateusz Wisniewski	Lauren Katherine Shotts

## SENIOR CLASS COUNCIL

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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 2021-2022 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](http://www.isusalc.org).

To learn more about the Iowa State University Alumni Association, go to [www.isualum.org](http://www.isualum.org).

### **2021-2022 Senior Class Council Leadership**

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**President:**

Laura Virgilio

**Vice President:**

Koby Boysen

**Council Members:**

Morgan Brinning

Kellen Cosgrove

Cole Eden

Morgan Fritz

Cody Gibson

Cami Maurer

Ryland McCormick

Josie Pate

Stuart Tiedemann

Mary Valentine



# IOWA STATE UNIVERSITY ALUMNI ASSOCIATION

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## **Cyclones Everywhere**

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

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

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

1. Connect with Cyclones everywhere through our local affiliate groups in more than 30 locations.
2. The ISU Alumni Center is your forever home. Stop by the Center (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 resources, like resume reviews, webinars, blogs, and job-hunting tips.
4. Download the Iowa State Alumni App from the App Store or Google Play.
5. Stay connected with Cyclones everywhere through the online Alumni Directory – and don't forget to update your own information when you move or change jobs.
6. Become a New Grad Member of the ISU Alumni Association and receive discounts, invites to events, and more ([www.isualum.org/newgrad](http://www.isualum.org/newgrad)).





# Summer 2021

Official List of Degree Recipients  
Conferred August 7, 2021

# DEGREE RECIPIENTS FROM THE GRADUATE COLLEGE

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## DOCTOR OF PHILOSOPHY

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### Major in Aerospace Engineering

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Veera B. C. Sajjanapu *Hyderabad, India*

DISSERTATION: Harvesting energy from vortices:  
A parametric study on the dynamics of Fluid-  
Structure Interactions (FSI) using soap films

Joel Varghese *Vadodara, India*

DISSERTATION: Modeling of surface roughness in  
eddy resolving simulations

†† Zichen Zhang

*Dongying, China*

DISSERTATION: Experimental investigations on  
the interactions between water/deicing fluids and  
icephobic coatings pertinent to aircraft anti-/de-  
icing

### Major in Agricultural and Biosystems Engineering

---

Andrew James Craig *Ames, Iowa*

DISSERTATION: Mitigation of manure-borne  
contaminants by prairie strips: Physical model  
system, overland flow simulations, and numerical  
model development

### Major in Apparel, Merchandising, and Design

---

Huanjiao Hannah Dong *Shenyang, China*

DISSERTATION: Women university administrators:  
Dress choices, meanings, and fashion influences

Erin Elizabeth French *Ames, Iowa*

DISSERTATION: Stitching masculinities, stitching  
stories: Men's quiltmaking experiences 1970-2020

Juliana Guglielmi *Princeton, N.J.*

DISSERTATION: BDSM, dress, and consumption:  
Women's meaning construction through  
embodiment, bodies in motion, sensations, and  
formal and informal economies

Kyuree Kim

*Busan, South Korea*

DISSERTATION: Interactivity within social media  
advertising and its influence on consumer  
experience, perceived value, and omnichannel  
outcomes

### Major in Applied Mathematics

---

Eric Mawuena Komla Takyi *Potsdam, N.Y.*

DISSERTATION: Some mathematical problems in  
population ecology

### Major in Biochemistry

---

Phong Tuan Phan *Ho Chi Minh City, Vietnam*

DISSERTATION: Defining the effects of mismatches  
on type I-E CRISPR immunity and phage escape

### Major in Bioinformatics and Computational Biology

---

Yulu Chen *Yichang, China*

DISSERTATION: Bio-markers measured on young  
healthy pigs to select for disease resilience

Shane Kirk Dooley

*Shelley, Idaho*

DISSERTATION: CRISPR-Cas functional  
specialization in targeting mobile genetic  
elements

Sayane Shome Ames, Iowa  
DISSERTATION: Exploring molecular mechanisms with simulations and data analyses

§ Urminder Singh New Delhi, India  
DISSERTATION: Pan-tissue pan-cancer characterization of novel human orphan genes via analysis of RNA-Sequencing data

§ Valeria Velásquez Zapata Tamesis, Colombia  
DISSERTATION: Modeling of gene and protein networks in the context of plant immunity

### Major in Business and Technology (Information Systems)

---

Zhaoxin Lin Gainesville, Fla.  
DISSERTATION: Three essays on cyber risk management

†† Alaa Nehme Beirut, Lebanon  
DISSERTATION: Coping with information security fear appeals: A drive theory perspective

### Major in Business and Technology (Management)

---

Sebastian Cortes Mejia Bogota, Colombia  
DISSERTATION: Getting caught and saving face: Investors' and firms' responses to executives' negative non-work behaviors

†† Ke Gong Dongzhi, China  
DISSERTATION: The political effects on corporate financial fraud: Evidence from China

### Major in Chemical Engineering

---

Moises Contreras Ramos Des Moines, Iowa  
DISSERTATION: Detecting and disrupting quorum sensing in Gram-positive pathogens as an anti-virulence therapy

Jared Dopp Commerce, Okla.  
DISSERTATION: Robust microbial cell-free systems for prototyping diagnostics and therapies

§ Nathaniel Kallmyer Whitestown, Ind.  
DISSERTATION: Fluorescent single-walled carbon nanotubes as modular sensors of biological activity

Sean Alex Rollag Beaver Creek, Minn.  
DISSERTATION: The use and function of ferrous iron catalyst for lignin deconstruction and intensification of sugar production from fast pyrolysis of biomass

Benjamin W. Schlichtmann Prior Lake, Minn.  
DISSERTATION: Novel Theranostics for Parkinson's Disease

Liyang Shen Hangzhou, China  
DISSERTATION: The developments and characterizations of block copolymers modified polymer composites

### Major in Chemistry

---

†† Kevin Douglas Basemann Atkins, Iowa  
DISSERTATION: Do robots dream of electronic structures?

†† Carena Lyne Daniels Little Falls, Minn.  
DISSERTATION: Heterobimetallic complexes and intermetallic materials

### Major in Civil Engineering (Geotechnical Engineering)

---

Hossein Alimohammadi Baton Rouge, La.  
DISSERTATION: Effectiveness of geogrids in roadway construction; determine a granular equivalent (G.E.) factor

### Major in Civil Engineering (Intelligent Infrastructure Engineering)

---

Hantao He Guangzhou, China  
DISSERTATION: Simulation of realistic soil behavior in geotechnical tests using physics engine technique

### Major in Civil Engineering (Structural Engineering)

---

§ Dikshant Singh Saini Roorkee, India  
DISSERTATION: Vulnerability assessment of buildings under windborne debris impact

## Major in Civil Engineering (Transportation Engineering)

---

§ Yazan B. Abukhalil *Zarqa, Jordan*  
DISSERTATION: Operations research and data mining applications in pavement management

## Major in Computer Engineering (Computing and Networking Systems)

---

Pei Zhang *Yangzhou, China*  
DISSERTATION: Hardware/Software frameworks for control techniques to support real-time systems and runtime verification

## Major in Computer Engineering (Software Systems)

---

Shen Fu *Ames, Iowa*  
DISSERTATION: Data driven user authentication with multi-level behavior profiling

## Major in Computer Science

---

†† Shruti Biswal *India*  
DISSERTATION: Implicit relations and their derivatives for symbolic state space generation

††§ Peter Allen Dixon *Ames, Iowa*  
DISSERTATION: Probabilistic computations: Mild derandomizations and zero-knowledge classes

††§ Samantha S. Khairunnesa *Dhaka, Bangladesh*  
DISSERTATION: Context-aware contracts

§ Seyedehzahra Khoshmanesh *Bushehr, Iran*  
DISSERTATION: Learning feature interactions with and without specifications

## Major in Condensed Matter Physics

---

§ Kamal Raj Joshi *Kathmandu, Nepal*  
DISSERTATION: Development of optical magnetometry based on Nitrogen Vacancy centers in diamond to study unconventional superconductors

Xun Zha *Anqing, China*  
DISSERTATION: Thermodynamic stability and structures of nanocrystal superlattices

## Major in Ecology and Evolutionary Biology

---

†† Phillip Charles Klahs *Michigan*  
DISSERTATION: The biomechanics and macroevolution of wind pollination in the grass family (Poaceae)

Andrea Rabinowitz *River Edge, N.J.*  
DISSERTATION: Socio-communicative behaviors of West African chimpanzees (*Pan troglodytes verus*) in a savanna habitat at Fongoli, Senegal

## Major in Economics

---

†† Seung Jin Cho *Seoul, South Korea*  
DISSERTATION: Three essays on health economics

†† Anni Tuulikki Isojaervi *Muhos, Finland*  
DISSERTATION: Three essays on labor market disparities and inequality

†† Seungki Lee *Pohang, South Korea*  
DISSERTATION: Essays on innovation in the U.S. corn and soybean seeds

Haoran Li *China*  
DISSERTATION: Three essays on macro labor economics

Qing Liu *Shandong, China*  
DISSERTATION: Three essays on pay-as-you-go pensions

Xibo Wan *Fuzhou, China*  
DISSERTATION: Three essays on hazardous chemical policy, source water protection, and recreational value

## Major in Education

---

Jarrel Tyrone Johnson *Lithonia, Ga.*

DISSERTATION: Quaring HBCUs: A case study investigating and theorizing queer and trans\* student inclusion at two historically Black colleges and universities

Hildah Kwamboka Makori *Bridgewater, Mass.*

DISSERTATION: Teaching as enactment of habitus: Preparing preservice science teachers for new ways of teaching science

†† Sarah Marie Pamperin Cram *Green Bay, Wis.*

DISSERTATION: Beyond white defensiveness: White self doubt in a white teacher affinity group

## Major in Electrical Engineering

---

§ Anupam Bhar *Kolkata, India*

DISSERTATION: Towards sustainable Food-Energy-Water security nexus of farms: Use of agriculture model for precision decision making

## Major in Electrical Engineering (Communications and Signal Processing)

---

§ Praneeth K. Narayanamurthy *Bangalore, India*

DISSERTATION: Provable and efficient algorithms for robust subspace learning and tracking

Pan Zhong *Liling, China*

DISSERTATION: On neural networks with equivariance or invariance property

## Major in Electrical Engineering (Electric Power and Energy Systems)

---

Shikha Sharma *Jabalpur, India*

DISSERTATION: Planning electric power grid with centralized and distributed technologies

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

---

Andrew William Downs *Sioux Falls, S. Dak.*

DISSERTATION: Phased array implementation of high frequency, multi-mode dispersion compensation for ultrasonic guided wave inspections

## Major in Electrical Engineering (Microelectronics and Photonics)

---

Bhuwan Kashyap *Panchkula, India*

DISSERTATION: Sensing for sustainable agriculture with focus on developing technologies for monitoring plant stress

## Major in Engineering Mechanics

---

†† Christopher James Giuffre *Duluth, Minn.*

DISSERTATION: The application of fracture mechanics to Mode I interfacial ice delamination and plasticity induced crack closure

## Major in Genetics

---

Aaron Michael Kusmec *Harrisonville, Mo.*

DISSERTATION: Phenotypic plasticity and breeding for future climates: Case studies in *Zea mays*

†† Yosia Mugume *Ames, Iowa*

DISSERTATION: Analysis of the effect of autophagy on lipid content and the impact of vps45-3 point mutation on plant growth in *Arabidopsis thaliana*

## Major in Genetics and Genomics

---

Emmanuel Tulibagenyi Nsamba *Kampala, Uganda*  
DISSERTATION: Molecular and functional  
characterization of tubulin isotypes in budding  
yeast (*Saccharomyces cerevisiae*)

## Major in Geology

---

Thomas Henry Birren *Round Lake Park, Ill.*  
DISSERTATION: Experimental analysis of semi-  
brittle deformation: Implications for deformation  
dynamics

## Major in Horticulture

---

Moriah Bilenky *Elkins Park, Pa.*  
DISSERTATION: Cover crops and poultry  
integration for sustainable soil management in  
organic vegetable production

Anna Joy Stewart *Winfield, Ill.*  
DISSERTATION: Horticultural and ecophysiological  
studies of *Ptelea trifoliata* and *Ptelea crenulata*

## Major in Hospitality Management

---

Xingyi Zhang *Zhengzhou, China*  
DISSERTATION: Are “co-created green initiatives”  
more appealing? Investigating the effects of  
green co-creation message in green restaurant  
promotion

## Major in Human Computer Interaction

---

Jack D. Polifka *Mishicot, Wis.*  
DISSERTATION: Investigating introductory science  
students' knowledge of multiple representations  
using technology

## Major in Human Development and Family Studies

---

Dahee Kim *Busan, South Korea*  
DISSERTATION: The impact of adult children's  
economic hardship on older parents'  
psychological well-being

## Major in Industrial and Agricultural Technology

---

Priyanka Gupta *New Delhi, India*  
DISSERTATION: Strategies for non-GM segregation  
in the U.S. grain and feed supply chain

## Major in Industrial Engineering

---

§ Javad Ansarifar *Ames, Iowa*  
DISSERTATION: Machine learning and optimization  
algorithms and their applications in agriculture

§ Vahid Azizi *Ames, Iowa*  
DISSERTATION: Decision making framework in  
deterministic and stochastic forward/reverse  
logistics supply chain design

Colten Wayne Fales *Ames, Iowa*  
DISSERTATION: Accelerations of Trunk and Limb  
Assessment System (ALTAS): A Monte-Carlo  
simulation approach to dynamic work evaluation  
for the agricultural sector

Xiaoshi Guo *Beijing, China*  
DISSERTATION: Improving time series and cross-  
sectional momentum trading strategies using  
stochastic programming



**Samira Karimzadeh** *Tehran, Iran*  
DISSERTATION: Data-driven optimization decision support for plant breeding

§ **Saba Moeinizade** *Tehran, Iran*  
DISSERTATION: Simulation-based optimization and reinforcement learning methods to improve decision making in agriculture

§ **Mohsen Shahhosseini** *Iran*  
DISSERTATION: Optimized ensemble learning and its application in agriculture

**Emmanuel Tetteh** *Greensboro, N.C.*  
DISSERTATION: Using biomechanical data to explore the utility of exoskeleton intervention for work-related musculoskeletal disorders in the surgeons

## Major in Inorganic Chemistry

---

**Minda Chen** *Chengdu, China*  
DISSERTATION: The structural evolution and catalytic application of intermetallic nanocatalysts

**Sangki Hong** *Seoul, South Korea*  
DISSERTATION: Deep eutectic solvent routes to photoactive metal oxides

## Major in Materials Science and Engineering

---

**Souvik Banerjee** *Kolkata, India*  
DISSERTATION: Asymmetric mass transfer across disparate material systems

**Chuanshen Du** *Beijing, China*  
DISSERTATION: Chaos (statistic) driven material design and discovery

**Paul Ramon Gregory** *Des Moines, Iowa*  
DISSERTATION: Neoteric bio-derived materials with cellulose as an exemplar platform

**Shubhra Jain** *India*  
DISSERTATION: Benchmarking hot cracking behavior during localised melting using a new standard test methodology and thermodynamic predictors

§ **Winnie Munyiva Kiarie** *Nairobi, Kenya*  
DISSERTATION: Design and development of magnetorheological elastomers for active vibration reduction in vehicles

**Zhuqing Li** *Ames, Iowa*  
DISSERTATION: The influence of chemically modified Gellan Gum on macrophage polarization, fibroblast differentiation, and collagen orientation

**Pratyasha Mohapatra** *Cuttack, India*  
DISSERTATION: Development of ultra-high efficiency, low hysteresis antiferroelectric ceramics for high energy density capacitor applications

**Emily Jane Olson** *Warrens, Wis.*  
DISSERTATION: Design nanoparticle self-assembly for sustainable packaging and coating applications

## Major in Mathematics

---

†† **Theodore Joseph Tranel** *Cuba City, Wis.*  
DISSERTATION: Partial geometric designs: Constructions and classifications

## Major in Mechanical Engineering

---

††§ **Lusi A** *Xilinhot, China*  
DISSERTATION: Transformation of biomass to value-added chemicals through non-thermal plasma

**Sivaranjani Devarakonda** *India*  
DISSERTATION: Design and fabrication of nanoporous biosensor platforms with improved performance towards commercialization

††§ **Humair Nadeem** *Karachi, Pakistan*  
DISSERTATION: Characterization of granular mixing in vertical axis bladed mixers using X-ray imaging systems

**Homagni Saha** *Rourkela, India*  
DISSERTATION: Information fusion for decision making

**Nathanael Kurt Van Velson** *Lancaster, Pa.*  
DISSERTATION: Raman-based metrology of thin film systems

**Ling Zhang** *Saint Louis, Mo.*  
DISSERTATION: Numerical and experimental investigation of brain surrogates under shock wave loading for blast-induced traumatic injury research

## Major in Microbiology

---

†† Aric Cody Warner *Altoona, Iowa*  
DISSERTATION: Microbial engineering, characterization, and applications through novel data processing and synthetic biology systems

## Major in Nutritional Sciences

---

Hyeyoon Eo *Daejeon, South Korea*  
DISSERTATION: PKR in skeletal muscle: Effect of imoxin on muscle atrophy, ER stress, and insulin signaling pathway in C2C12 myotubes

## Major in Organic Chemistry

---

†† Logan John Fischer *Ruthven, Iowa*  
DISSERTATION: Computational and experimental insights on the photoheterolysis reaction mechanism

†† Caroline Chow Warner *Ames, Iowa*  
DISSERTATION: Exploring environmentally sensitive fluorescent dyes and their applications

†† Pradeep Shrestha *Kathmandu, Nepal*  
DISSERTATION: Design and synthesis of efficient BODIPY-based photochemical tools for drug delivery and imaging

## Major in Physical Chemistry

---

David Lloyd Poole *Milford, Mich.*  
DISSERTATION: GAMESS, GPUs, JuliaChem, and Julia: a double date in high-performance quantum chemistry

## Major in Physics

---

Ramesh Koirala *Nepal*  
DISSERTATION: Single molecule studies of cadherin adhesion and its regulation

Andrew Vae Priest *West Des Moines, Iowa*  
DISSERTATION: Investigating the inside-out regulation of cadherin adhesion at the level of single molecules

## Major in Plant Breeding

---

§ Qi Mu *Hohhot, China*  
DISSERTATION: The environmental, developmental, and genetic regulation of plant height: Insights from phenotypic plasticity and genetic cloning

## Major in Psychology (Counseling Psychology)

---

Kaitlyn Suzanne Burke *Waukee, Iowa*  
DISSERTATION: Therapist responsiveness to religious and spiritual concerns in therapy  
Kelsey Elaine Engel *Detroit Lakes, Minn.*  
DISSERTATION: Increasing university faculty and staff willingness to intervene against student suicide: Examining the effectiveness of RESPOND training

†† Meredith Vander Horst Tittler *Swampscott, Mass.*  
DISSERTATION: Increasing White individuals' engagement in racial dialogues: Test of an intervention based on Self-Determination Theory

## Major in Psychology (Social Psychology)

---

Ryan Edward Ditchfield *Clovis, Calif.*  
DISSERTATION: Wielding a double-edged sword:  
Examining the effects of procedural justice on  
eyewitness decision making

## Major in Rhetoric and Professional Communication

---

Daniel Gerard Henke *Jackson, Wis.*  
DISSERTATION: Telling stories of critical  
unearthings: A two-part research study  
examining narrative in first-year composition and  
dominant knowledge production

## Major in Statistics

---

Katherine Jean Goode *Green Lake, Wis.*  
DISSERTATION: Visual diagnostics for explaining  
machine learning models

Xingche Guo *Liaoning, China*  
DISSERTATION: Statistical methods for  
environment field trials, high-dimensional  
functional data, and image-based high-  
throughput phenotyping

Dapeng Hu *Jinan, China*  
DISSERTATION: Hypothesis testing and trial design  
in network meta-analysis with applications in  
animal health

Myungjin Kim *Jeju, South Korea*  
DISSERTATION: Generalized, quantile and  
constrained nonparametric regression for spatial  
data

Dongjin Li *Hefei, China*  
DISSERTATION: Bayesian variable selection in  
ultra-high dimensional settings

Yalin Rao *China*  
DISSERTATION: Markov chain Monte Carlo  
algorithms and posterior propriety for Bayesian  
generalized linear mixed models

Yueying Wang *Harbin, China*  
DISSERTATION: Next-generation functional data  
analysis for imaging and spatial data

Xiaofei Zhang *Guilin, China*  
DISSERTATION: Topics in survey design and  
nearest neighbor imputation for survey data

## Major in Veterinary Pathology

---

†† Ya-Mei Chen *Taitung City, Taiwan*  
DISSERTATION: Investigating epithelial and  
immunological responses of the weaned pig small  
intestine after infection with porcine epidemic  
diarrhea virus

Franco S. Matias Ferreyra *Ames, Iowa*  
DISSERTATION: Porcine astrovirus type 3 as a  
cause of central nervous system disease in swine:  
Retrospective identification of diagnostic cases,  
molecular characterization and experimental  
reproduction of disease

## Major in Wildlife Ecology

---

Tyler Mark Harms *Titonka, Iowa*  
DISSERTATION: Methods for surveying and  
estimating breeding waterfowl populations in the  
Prairie Pothole Region of Iowa

## Multiple Curricula and Majors

---

§ Oluwaponmile Faith Afuwape *Nigeria*  
DISSERTATION: Transcranial magnetic stimulation:  
Coil modeling and analysis for activation of  
cortical neurons  
MAJORS: Mechanical Engineering and Electrical  
Engineering (Electromagnetics, Microwave, and  
Nondestructive Evaluation)

††§ Lucia Annaleigh Cherep *Batavia, Ill.*  
DISSERTATION: Individual differences in the  
integration of vertical spaces  
MAJORS: Psychology and Neuroscience

§ Tor Teske Finseth *Golden Valley, Minn.*  
DISSERTATION: Adaptive virtual reality stress  
training for spaceflight emergency procedures  
MAJORS: Aerospace Engineering and Human  
Computer Interaction

§ **Emily Lyder Johnson** *Cleveland, Ohio*

DISSERTATION: Isogeometric modeling and analysis for complex science and engineering applications

MAJORS: Wind Energy Science Engineering and Policy and Mechanical Engineering

††§ **Makrand Ajay Khanwale** *Pune, India*

DISSERTATION: Energy stable and conservative numerical schemes for simulating two-phase flows using Cahn-Hilliard Navier Stokes equations

MAJORS: Mechanical Engineering and Applied Mathematics

**Tania Leung** *Tamarac, Fla.*

DISSERTATION: In-situ rapid monitoring of phytoplankton community to investigate role of iron during cyanobacterial dominance

MAJORS: Geology and Environmental Science

†† **Heather Marie Muchowski** *Westhampton, N.Y.*

DISSERTATION: Numerical investigation and application of immersedogeometric and direct discontinuous Galerkin methods

MAJORS: Mechanical Engineering and Applied Mathematics

†† **Christine Lynn Vaughan** *Saint Johns, Mich.*

DISSERTATION: Spectral element moment-closure methods for kinetic Vlasov models of plasma

MAJORS: Applied Mathematics and Mechanical Engineering



## Major in Interior Design

---

Eliza Nicole Malloy *Grimes, Iowa*  
THESIS: Understanding amenity preferences of the Millennial Generation and Z-generation and how it relates to Maslow's Hierarchy of Needs

## Major in Teaching English as a Second Language/Applied Linguistics

---

Anton Vladimirovich Neretin *Windsor Heights, Iowa*

Mackenzie Leigh Novotny *North Liberty, Iowa*  
THESIS: A system for high-variability training of French vowels: A design-based study

## Multiple Curricula and Majors

---

†† Shamini Umesh Shetye *West Des Moines, Iowa*  
THESIS: Analysis of three-word lexical bundles in the argumentative essays of native and non-native writers at various levels of language development  
MAJORS: Teaching English as a Second Language/ Applied Linguistics (Corpus and Computational Linguistics) and Teaching English as a Second Language/Applied Linguistics

## MASTER OF ARTS IN TEACHING

---

### Major in Science Education

---

Tristan Joseph Albright

*Ankeny, Iowa*

R. J. Robert Johnathon Green

*Ames, Iowa*

## MASTER OF BUSINESS ADMINISTRATION

---

### Major in Business Administration

---

Tom Carlton

*Wichita, Kans.*

Yihong Li

*Shanghai, China*

Julie Ann Klocke

*Ankeny, Iowa*

Cole Schumacher

*Norwalk, Iowa*

## MASTER OF BUSINESS ANALYTICS

---

### Major in Business Analytics

---

Rebekah Kathryn Stickfort

*Ankeny, Iowa*

## MASTER OF COMMUNITY AND REGIONAL PLANNING

---

### Major in Community and Regional Planning

---

Sahara Shrestha

*Kathmandu, Nepal*

# MASTER OF EDUCATION

---

## Major in Education

---

Jessica Kathleen Stagg                      Ames, Iowa

## Major in Education (Educational Administration)

---

Amy Marie Eschliman                      Johnston, Iowa                      Crystal Renee Thomas                      Dubuque, Iowa

# MASTER OF ENGINEERING

---

## Major in Aerospace Engineering

---

Vishal Muralidharan                      Bangalore, India                      Joshua Joseph Siewert                      Menasha, Wis.

## Major in Chemical Engineering

---

Maxwell David Staver                      Waterloo, Iowa

## Major in Civil Engineering (Construction Engineering and Management)

---

Jessica Talbot                      Danville, Calif.                      Jessica Elizabeth Taylor                      San Diego, Calif.

## Major in Civil Engineering (Structural Engineering)

---

William G. Huynh                      Waterloo, Iowa                      Jack T. Wannarka                      Ames, Iowa

## Major in Computer Engineering

---

Luke J. Bell                      Indianola, Iowa                      Peyton D. Sher                      Indianola, Iowa  
Rui Li                      Chongqing, China                      Ibrica Tutic                      Waterloo, Iowa

## Major in Cyber Security

---

Jacob Jerome Muhlbeier                      North Augusta, S.C.

## Major in Electrical Engineering

---

Rahmat K. Adesunkanmi                      Ife-ife, Nigeria                      Hantao He                      Guangzhou, China  
Yu Cheng                      Chengdu, China                      Andrew Robert Hoyt                      Tempe, Ariz.  
Katrina America Choong                      Rockville, Md.                      Di Meng                      Ames, Iowa  
Marc Douthitt                      Cedar Rapids, Iowa

## Major in Energy Systems Engineering

---

Dana Kay Billingsley                      West Des Moines, Iowa

## Major in Engineering Management

---

Jacob Oliver Smidt                      Bettendorf, Iowa

## Major in Industrial Engineering

---

Ganesh Ramu Ramaswamy Navaneetha  
Krishnan                      Coimbatore, India



## Major in Mechanical Engineering

---

Anthony M. Jacobsen  
Harish Radhakrishnan

Dallas Center, Iowa  
Chennai, India

Kshitiz Kumar Subedi  
Kelli Renee Williams

Hetauda, Nepal  
Ames, Iowa

## Major in Systems Engineering

---

Steven Lee Brown

Kansas City, Mo.

# MASTER OF FAMILY AND CONSUMER SCIENCES

---

## Major in Family and Consumer Sciences (Dietetics)

---

Mara Danielle Powell

Fairfield, Ohio

## Major in Family and Consumer Sciences (Family Financial Planning)

---

Ally N. Becker  
Sean Robert Foster

Highland, Ill.  
Mundelein, Ill.

Daniel Isaiah Nixon

Hoover, Ala.

## Major in Family and Consumer Sciences (Youth Development Planning)

---

Alison Joan Roe

Solon, Iowa

# MASTER OF FINANCE

---

## Major in Finance

---

Shafim Khoda

Ames, Iowa

Zhenqin Xia

Ames, Iowa

# MASTER OF FINE ARTS

---

## Major in Graphic Design

---

Swapnil Bansal  
THESIS: Creating awareness about Household Air Pollution through a board game 'Fuelable'

Meerut, India

Zachary Frazier  
THESIS: Celebrating Black cultural wealth in graphic design through counter-storytelling and critical practices: An exercise in critical race theory

Tulsa, Okla.

Bella Shaova

Moscow, Russia

THESIS: Introducing creative careers to young adults and parents/guardians through a Pop-up Educational Display (PED)

Zachary Wyatt Stewart

Auburn, Iowa

THESIS: Midpoint Notation: An experimental music notation system at the intersection of graphic notation and conventional Western notation

## Major in Interior Design

---

Ahmed Essam M. Elsherif  
THESIS: Portuguese tilework and American diplomacy: Cultural preservation, international politics, and the new Cold War rhetoric

Alexandria, Egypt

# MASTER OF HUMAN COMPUTER INTERACTION

---

## Major in Human Computer Interaction

---

Erica Mae Boyle	Omaha, Neb.	Sarah Morris	Bay Village, Ohio
Sarah Marie Dooley	Berwick, Pa.	Heather M. Ruddy	Grayling, Mich.
Valerie Marie Kleinheksel	Detroit, Mich.	Chongchi Zhang	Oak Park, Ill.
Isaac Paul Macarthy	Hyattsville, Md.		

# MASTER OF INDUSTRIAL DESIGN

---

## Major in Industrial Design

---

Eric Michael Diaz	Arden Hills, Minn.	Jacob Brett Martin	Des Moines, Iowa
Abigail K. Luchsinger	Woodbury, Minn.	Abraham J. Polonia Suarez	Brookfield, Ill.
Michael Luhrs Jr.	Okoboji, Iowa	Yiyu Wang	Tangshan, China

# MASTER OF PROFESSIONAL PRACTICE IN DIETETICS

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## Major in Professional Practice in Dietetics

---

Brittany Lynn Amaya	Altoona, Iowa	Christian Ricardo Lopez	El Paso, Tex.
Alyssa Angelo	Naperville, Ill.	Deanne Marie Lynch	Lake Orion, Mich.
Nicholas P. Arensdorf	Nichols, Iowa	Maricarmen Marrufo	El Paso, Tex.
Jenna Catherine Bautch	Saint Augusta, Minn.	Lindsey McVietty	Lee's Summit, Mo.
Georgia Ann Boubouheropoulos	Virginia Beach, Va.	Sarah Kate Menzel	Des Moines, Iowa
Abigail Brown	Peculiar, Mo.	Jordan Leigh Miller	Ames, Iowa
Dayna Florence Cline	Goodyear, Ariz.	Lisa Ann Moore	Virginia Beach, Va.
Salina Duran	El Paso, Tex.	Cierra Brooklyn Toshali Sue Nutt	Muskogee, Okla.
Caitlin Elizabeth Enge	Maple Grove, Minn.	Sara Jo O'Tool	Mason City, Iowa
Jennifer Ferreira	Alexandria, Va.	Belen Perez	El Paso, Tex.
Lillian Filerio	La Mesa, N. Mex.	Rebecca Lynn Ray	Andover, Conn.
Cathryn Mary Finn	Delano, Minn.	Sheena Lynn Rosa	Warrenton, Va.
Alexis Nicole Fitzpatrick	Salina, Okla.	Bailie Morgan Ryen	Lake View, Iowa
Tabetha Foose	Jacksonville, Fla.	Malorie Jean Scherf	Owasso, Okla.
Jacki Elaine-Adams Foss	Hampton, Va.	Carrie Kayla Schnepel	Elizabethton, Tenn.
Callie Groves	Maryville, Tenn.	Adam Skowyra	Saint Louis, Mo.
Lindsay Gulley	Howell, Mich.	Lauren Ellen Stille	Maple Grove, Minn.
Kara Elizabeth Heckman	Omaha, Neb.	Amy Marie Tillotson	Kansas City, Mo.
Elise Marie Heeney	Gilbert, Ariz.	Sarah Lynn Villalpando	Wildomar, Calif.
Summer Iwerks	Surprise, Ariz.	Kaylee Weedman	Knoxville, Ill.
Jacqueline Josephine Johnson	Coeur d'Alene, Idaho	Stephanie D. West	Chattanooga, Tenn.
Michelle Lynn Kruse	Smithville, Mo.	Abigail Joy Wilson	Lynchburg, Va.
Taylor Nicole LaRosee	Denver, Colo.	Lindsey Elizabeth Zirkle	Portsmouth, Va.
Kailey Nicole Limes	Holland, Ohio	Lauren Elizabeth Zust	Bettendorf, Iowa

# MASTER OF REAL ESTATE DEVELOPMENT

---

## Major in Real Estate Development

---

Anthony Paul Hough

Harlan, Iowa

# MASTER OF SCIENCE

---

## Major in Aerospace Engineering

---

Abinayaa Dhanagopal

Chennai, India

THESIS: Piezoelectric energy harvesting from fluid-structure interactions

## Major in Agricultural and Biosystems Engineering

---

David Megan Hayes

Arlington, Iowa

THESIS: Case study of model-based validation & verification of an agricultural crop engaging control system

Hui Yee Tan

Kulai, Malaysia

THESIS: Improving the usability of grain processing models

Alexis Renee Slade

Munford, Tenn.

THESIS: Comparison of woodchip and corncob bioreactors on nitrate removal

## Major in Agricultural Economics

---

Holly Lorraine Cook  
Grant David Durbahn

Winthrop, Iowa  
Waterloo, Iowa

Aaron Michael Gerdts  
Courtney Rose Titus

Saint Ansgar, Iowa  
Murray, Iowa

## Major in Agricultural Education

---

Christopher John Wiley

Bowman, Ga.

## Major in Agricultural Education (Agricultural Extension Education)

---

Amanda Jane Lavender

Troy, Pa.

Ethan Robert Kurtt Thies

Denver, Iowa

## Major in Agronomy

---

Michelle R. Anderson  
Matthew Comrey

Indianapolis, Ind.  
Yuba City, Calif.

Landon Clay Gheer  
Alex Robert Helms

Canyon, Tex.  
Westport, Ind.

## Major in Animal Breeding and Genetics

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Abigail Edith Jantzi

Clymer, N.Y.

THESIS: From potential indicator traits to novel feed additives; improving dairy cattle feed efficiency one tool at a time

Kayla Marie Lucas

Boone, Iowa

THESIS: Evaluation of beef sire breed and beef QTL effects on growth and carcass traits of beef x dairy crossbred animals

## Major in Animal Physiology (Ethology)

---

Emiline Renee Sundman

Windham, N.H.

THESIS: Environmental enrichment to improve swine survivability

†† Jacob A. Yarian

Perrysburg, Ohio

THESIS: Investigating strategies in training swine caretakers for psychological well-being and Mexican swine caretakers' attitudes, behaviors, and perceptions toward euthanasia

## Major in Animal Physiology (Reproductive Physiology)

---

Jamie Marie Studer *Wesley, Iowa*  
THESIS: Investigating the impact of manganese supplementation on corpora lutea function in gilts

## Major in Animal Science

---

Aubree Marie Beenken *Buckingham, Iowa*  
THESIS: Evaluation of injectable vitamin C as a management strategy to mitigate the negative effects of transit stress in beef steers

Nadiia Stepanchenko *Ames, Iowa*  
THESIS: Effects of *Macleaya cordata* extract on growth, health, gut morphology, and gut microbiota composition of calves

William Edward Taylor *Flora, Ind.*  
THESIS: Utilizing digital imaging to evaluate cull sows at harvest

Victoria C. Wilson *Saint Charles, Mo.*  
THESIS: Enteric inducers of oxidative stress and their effects on growth performance, intestinal morphology, digestibility and oxidative biomarkers in pigs

Wade Joseph Wuebker *Jefferson, Iowa*  
THESIS: Analysis of piglet survivability as production traits in Landrace and Large White sows

## Major in Apparel, Merchandising, and Design

---

Chen-Chin Yu *Taoyuan, Taiwan*

## Major in Applied Mathematics

---

Preeti Sar *Dehradun, India*

## Major in Architecture

---

Anna Marie Aversing *Iowa City, Iowa*  
THESIS: Penumbra of taste: Uncovering the meaning of kitsch in architectural representation

Matthew Kar Poh Bong *Malaysia*  
THESIS: Dichotomic reciprocity: The practice of a more intimate biomimicry in architectural design

Ahmed Essam M. Elsherif *Alexandria, Egypt*  
THESIS: Portuguese tilework and American diplomacy: Cultural preservation, international politics, and the new Cold War rhetoric

Giannis Koutsou *Lemesos, Cyprus*  
THESIS: The apolitical avant-garde of architecture: A comparison between Karel Teige, Rem Koolhaas, and Bjarke Ingels

Ruchi Patel *Elk Grove Village, Ill.*  
THESIS: Architecture and identity: A study of colonial and post-colonial architecture in India

## Major in Bioinformatics and Computational Biology

---

Paul Villanueva *Costa Mesa, Calif.*  
THESIS: Impact of manure amendment on species replacement patterns in soil microbial communities

## Major in Biomedical Sciences

---

Adam Trey Copeland *Katy, Tex.*  
THESIS: Randomized comparison between a forced air delivery system and warm water bath for neonatal calf hypothermic resuscitation with or without adjunct oral caffeine administration

Alek Dean Goll *Garner, Iowa*  
Jenna Marie Lee *Huxley, Iowa*

## Major in Chemical Engineering

---

Nithish Subramanian Kaushik *Chennai, India*  
THESIS: Computational design of heterogeneous catalysts for ethane dehydrogenation reaction

## Major in Chemistry

---

Kevin Lee Dolge *Brandon, S. Dak.*  
THESIS: Tuning Zr-MOF Lewis acidity for heterogeneous catalysis

## Major in Civil Engineering (Civil Engineering Materials)

---

Hossein Alimohammadi *Baton Rouge, La.*  
THESIS: Effectiveness of geogrids in roadway construction; determine a granular equivalent (G.E.) factor

## Major in Civil Engineering (Construction Engineering and Management)

---

Renee Kelsey M. Fleming *Ames, Iowa*

## Major in Civil Engineering (Environmental Engineering)

---

Meesha Jo Legg *Ankeny, Iowa*  
THESIS: Antibiotic resistance modeling in rivers: An evaluation of a simplified mathematical model

## Major in Civil Engineering (Structural Engineering)

---

Peizhe Li *Beijing, China*  
Quin August Rogers *McHenry, Ill.*  
THESIS: Repair of damaged prestressed concrete bridge girders using cementitious materials  
Tristan Bradley Sanderson *Hinckley, Ill.*  
THESIS: Culvert Soil Pressure Monitoring

Tanmoy Sarkar *Ghatshila, India*  
THESIS: Toward nano-scale data-driven constitutive rules by combination of molecular dynamics and generalized additive models  
Fan Zhou *Lanzhou, China*

## Major in Computer Engineering (Computing and Networking Systems)

---

Xinyao Li *Ames, Iowa*

## Major in Computer Engineering (Secure and Reliable Computing)

---

Abdelrahman M. Baz *Dikirnis, Egypt*  
THESIS: Android apps call graph construction and obfuscation investigation

Bailey Jordan Righi *Blue Springs, Mo.*  
Rishikumar Suresh Kumar *Chennai, India*

## Major in Computer Science

---

Joseph Scott Clanin *Macomb, Ill.*  
THESIS: Additive security games

Hung Dang Phan *Hanoi City, Vietnam*  
THESIS: A study on the performance of statistical machine translation and neural machine translation for prefix resolution in software engineering

## Major in Crop Production and Physiology

---

Tyler Russell White *Germantown, Ohio*  
THESIS: Corn grain fill and yield response to mid-season weather events

## Major in Cyber Security

---

Eric Thomas Dickman *Rochester, Minn.*  
Christopher Garza *Des Moines, Iowa*

Michael Joseph Lauer *Park Forest, Ill.*  
Dheepak Nalluri *Ankeny, Iowa*

## Major in Diet and Exercise

---

Nicole Raeann Kling *Kelley, Iowa*  
THESIS: Greenhouse gases, land use, and water withdrawals associated with protein foods within the Dietary Approaches to Stop Hypertension

## Major in Ecology and Evolutionary Biology

---

Caleb James Krueger *Lake Orion, Mich.*  
THESIS: The evolution of sex-ratio reaction norms in turtles according to 50 years of research

## Major in Economics

---

Paul Joseph Pelech *Greenwood, Ind.*

## Major in Electrical Engineering

---

Brian David Mace *Grayslake, Ill.*  
THESIS: Analyzing the effects of CSVT growth parameters on deposition of CdSe thin films

## Major in Electrical Engineering (Communications and Signal Processing)

---

Kebei Wang *Nanjing, China*  
THESIS: Improved speech enhancement algorithm based on generative adversarial networks

## Major in Electrical Engineering (Microelectronics and Photonics)

---

Harel Zvi Cohen *Overland Park, Kans.* Yu Zhang *Jinan, China*  
Sung Min Kang *Seoul, South Korea*  
THESIS: A multimodal sensing patch for detection of muscle activities

## Major in Electrical Engineering (Systems and Controls)

---

Carson R. Kneip *Le Mars, Iowa*

## Major in Environmental Science

---

Quin Kyoko Shingai *Morgan Hill, Calif.*  
THESIS: Investigating microcystin dynamics in freshwater ecosystems and factors that influence nutrient limitation of phytoplankton growth

## Major in Fisheries Biology

---

Dylan Mclain Osterhaus *Topeka, Kans.*  
THESIS: Topeka Shiner associations and best sampling practices for oxbow wetland fish communities

Nathan Andrew Tillotson *Paducah, Ky.*  
THESIS: Effects of bigheaded carp on zooplankton and larval fish along the Upper Mississippi River invasion front

## Major in Food Science and Technology

---

§ Chih-Chun Kuo *Taipei City, Taiwan*  
THESIS: Semi-solid extrusion-based 3D printing of biopolymer hydrogels and their applications in food  
Sharan Subramaniam Raman *Wheaton, Ill.*

Ajitesh Shankar Yadav *Thane, India*  
THESIS: Physical properties & drying characteristics of soy insoluble fiber, soy skim and fiber-skim combination obtained from EAEP process

## Major in Horticulture

---

Konrad Payton Powell *Fort Dodge, Iowa*  
THESIS: Growing Together project: Perceptions of mini-grant recipients, small rural food pantries, Master Gardener volunteers & Midwest state coordinators

## Major in Hospitality Management

---

Shamon P. Bell *Hudson, Ill.*  
THESIS: The impact of the first and second wave of the COVID-19 pandemic on food service operations

## Major in Human Computer Interaction

---

John Anthony Osorio Torres <i>Ibague, Colombia</i>	Yuhan Xiao <i>Ames, Iowa</i>
Michael Poole <i>Collierville, Tenn.</i>	

THESIS: Comparison of dynamic and static exit signage in a school shooter egress simulation

## Major in Human Development and Family Studies

---

Hawa Dindin Conteh <i>Ames, Iowa</i>	Alyssa Hanson <i>Faribault, Minn.</i>
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THESIS: How does parental favoritism influence the less favored child's self-confidence and personal goals?: A narrative inquiry

THESIS: Examining current teaching practices of the arts in early childhood education

## Major in Industrial and Agricultural Technology

---

Branden Stephen Lewis <i>Chillicothe, Ill.</i>	Jack Alan Schwickerath <i>Charles City, Iowa</i>
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THESIS: Development and analysis of a model-based control system for manure drying, energy reduction, and cost implication in aviary laying-hen houses

## Major in Industrial Engineering

---

Sanjay Raj Thangavel *Coimbatore, India*

## Major in Information Systems

---

Mohammed Elsafi Ali Ahmed <i>Ames, Iowa</i>	Yue He <i>Nanjing, China</i>
Rayyan Haitham Al Anani <i>Urbandale, Iowa</i>	Dhwani Milind Kapure <i>Ahmedabad, India</i>
Parris Juliana Bennett <i>Mason City, Iowa</i>	Anudeep Malepati <i>Vijayawada, India</i>
Jinfeng Chen <i>Ames, Iowa</i>	Vishnu Kalyan Mylavarapu <i>Secunderabad, India</i>

## Major in Journalism and Mass Communication

---

Huanjiao Hannah Dong *Shenyang, China*

## Major in Mathematics

---

Matthew Fox Hobart *Round Lake Beach, Ill.*

## Major in Meat Science

---

Logan Johnson *Rosholt, S. Dak.*  
THESIS: Functional characteristics of peroxiredoxin-2 from porcine skeletal muscle



## Major in Mechanical Engineering

---

Thomas Jerome Burtnett *Algona, Iowa*  
THESIS: A movable experimental system for observing pressurized sprays

Mohammad Islam Wardak *Kabul, Afghanistan*  
THESIS: Mechanical strength of pure ice and regolith-ice composites at cryogenic temperature

Li-Hsin Yeh *New Taipei City, Taiwan*  
THESIS: Motion-induced error reduction for dynamic 3D shape measurements using color fringe projection

## Major in Meteorology

---

Jonathan Edward Thielen *Buffalo, Minn.*  
THESIS: Two tasks to improve mesoscale weather forecasts: automating convective morphology classification and bringing new physics into MYNN

## Major in Psychology

---

Brenna Colette Klesel *Eden Prairie, Minn.*  
THESIS: Social reminiscing: A potential protective factor for externalizing outcomes

Sierra Rae Lauber *Clear Lake, Iowa*  
THESIS: Social networking and social comparison: Something new or more of the same?

## Major in Seed Technology and Business

---

Shannon Michael Straka *Livingston, Wis.*

## Major in Soil Science (Soil Microbiology and Biochemistry)

---

Stephen William Potter *Naperville, Ill.*  
THESIS: A “liquid cover crop” – Can adding glycerol to Iowa soils reduce nitrogen loss?

## Major in Soil Science (Soil Morphology and Genesis)

---

Dustin Lane Ehret *Deep River, Iowa*  
THESIS: An approach to map soil texture class on the Iowan Erosion Surface

## Major in Statistics

---

Tanner David Boyle *Cedar Rapids, Iowa*  
Jing Hou *Ames, Iowa*  
Wangqian Ju *Taiyuan, China*  
Yusi Li *Yichang, China*

Scott Lee Thatcher *Kirksville, Mo.*  
David Cannon Walker *Madison, Wis.*  
Zirou Zhou *Ames, Iowa*

## Major in Sustainable Agriculture

---

Emma E. Bravard *Granger, Iowa*  
THESIS: Application of multi-state financial data for use with the USDA Agricultural Conservation Planning Framework

## Major in Toxicology

---

Maria Estefania Gonzalez Alvarez  
*Guatemala City, Guatemala*

THESIS: Investigating the ovarian impacts of Zearalenone exposure and influence of altered body composition on ovotoxicity

Bailey Christine McGuire *Durant, Iowa*

THESIS: Impacts of obesity on ovarian chemical metabolism

Nur 'Ashiqin Binti Mohd Ridzuan Nirmal

*New York, Conn.*

THESIS: In-silico ecotoxicity risk assessment of nano titanium dioxide (nTiO<sub>2</sub>) using species sensitivity distribution (SSDs) methodology

## Major in Veterinary Preventive Medicine

---

Maria Goreti Gaina *Waikabubak, Indonesia*

Megan Sue Hindman *Hubbard, Iowa*

THESIS: The use of physical traits and reproductive measurements as predictors of early conception in beef replacement heifers

Taylor Mae Lindquist *Templeton, Calif.*

Maria Matilde Merodio *Gilbert, Iowa*

THESIS: Evaluation of immune response and direct detection diagnostics of *Mycoplasma hyorhinis*

Siu-Yin Ideal N. G. Virella *San Juan, Puerto Rico*

Katherine Bray Woodard *Nevada, Iowa*

## Major in Wildlife Ecology

---

Blake Jonathon Mitchell *Maple Grove, Minn.*

THESIS: Duck brood use of wetlands in crop-dominated landscapes within the United States Prairie Pothole Region

Taylor Shirley *Oakwood, Tex.*

THESIS: Use of fall-seeded cover crops by ring-necked pheasants in Iowa

## Multiple Curricula and Majors

---

†† Benjamin A. Simon *Plymouth, Minn.*

MAJORS: Computer Engineering (Computing and Networking Systems) and Human Computer Interaction

# MASTER OF URBAN DESIGN

---

## Major in Urban Design

---

Maria Camila Alzate *Caracas, Venezuela*

Calise R. Gritters *Pella, Iowa*

Sahara Shrestha *Kathmandu, Nepal*

# DEGREES RECIPIENTS FROM THE COLLEGE OF AGRICULTURE AND LIFE SCIENCES

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## BACHELOR OF SCIENCE

---

### Curriculum in Agricultural and Life Sciences Education

---

Joshua J. D. Jeske	Eldora, Iowa	Taylor Rae Reynolds	Davenport, Iowa
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### Curriculum in Agricultural Business

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Morgan Jacob Carlson	Suamico, Wis.	Blake Alan Schmelzer	Ridgeway, Iowa
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### Curriculum in Agricultural Studies

---

Henry Foster Franzen	Indianola, Iowa	Kaleb L. Miller	Lacona, Iowa
Jeffrey Alan Jensen	Marengo, Iowa		

### Curriculum in Agricultural Systems Technology

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Jason Michael Schmit	Des Moines, Iowa		
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### Curriculum in Agronomy

---

Christopher Alan Ruf	Mauston, Wis.	*† Catherine Ann Thom	Chaska, Minn.
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### Curriculum in Animal Ecology

---

Gage Felipe Colao	Miami, Fla.	Lauren Elizabeth Marlow	Grimes, Iowa
Peyton James Hamm	Tomahawk, Wis.	Michael Robert Matusek	McHenry, Ill.
Hunter David Jensen	McGregor, Iowa	Delaney Elizabeth Mohlis	Fairbank, Iowa
Clare Elizabeth Kennedy	Apple Valley, Minn.	Hannah Mary Sturtzer	Bettendorf, Iowa
Allison Paige Lane	Des Moines, Iowa		

### Curriculum in Animal Science

---

Javier Aguirre Jr.	Rochelle, Ill.	** Morgan Marie Kirsch	Westside, Iowa
Adrienne Leanna Allen	Bettendorf, Iowa	Hannah D. Marquardt	Freeburg, Ill.
Baylie Michele Bennett	Johnston, Iowa	Lauren Mikaela Mitchell	Lorimor, Iowa
Samantha M. Bigalk	Cresco, Iowa	Kacie Emily Nelson	Woodstock, Ill.
Rebecca Ann Dunkel	Worthington, Iowa	Shae Ann Oostra	Packwood, Iowa
Haylea Ann England	Mount Ayr, Iowa	Cassandra S. Roberge	Fallbrook, Calif.
Andrea I. Garcia Guerrios	Oak Park, Ill.	Caitlin Marie Stover	Denver, Iowa
Alexandria Aline Gerot	Crawfordsville, Iowa	Daniel Ryan Walsh	Lyndon Station, Wis.

### Curriculum in Biology

---

Bailee Jean Bortz	Rudd, Iowa	David Nguyen	Rochester, Minn.
* Cayley Jean Fehr	Estherville, Iowa	***† Madison Mackenzie Porter	Lenexa, Kans.
Taela Rovonn Fullilove-Hyacinthe	Minneapolis, Minn.	Jazmine America Real	Torrance, Calif.
Yanxin Li	Shanghai, China	Melissa Rae Woodall	Wilmington, Ill.

### Curriculum in Environmental Science

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Sheng Pan	Shanghai, China		
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\* Cum Laude  
 \*\* Magna Cum Laude  
 \*\*\* Summa Cum Laude  
 † Honors Program



# DEGREE RECIPIENTS FROM THE IVY COLLEGE OF BUSINESS

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## BACHELOR OF SCIENCE

---

### Major in Accounting

---

Jack Lee Bender	Urbandale, Iowa	Cormack Andrew Hayer	Adel, Iowa
Ryker Edward Connell	Red Oak, Iowa	Evan Joseph Ray	Crystal Lake, Ill.
Thomas Gordon Engquist	Harcourt, Iowa	David C. Wasilewski	Ames, Iowa
Qingyu Han	Dalian, China		

### Major in Business Analytics

---

Isaac David Meyerholz	Williamsburg, Iowa	Matthew Tyson Shock	Cedar Rapids, Iowa
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### Major in Entrepreneurship

---

Chad P. Collins	Lake Barrington, Ill.	Kearstyn K. Lennon	Fort Dodge, Iowa
Valmund Braun Eaton	Plymouth, Minn.	Mitchell Lee Nelsen	Cedar Rapids, Iowa
Grace Helen Feldman	Minneapolis, Minn.		

### Major in Finance

---

Cierra R. Dunn	Des Moines, Iowa	* Nathan Charles Schuster	Menomonee Falls, Wis.
* Jonathan Echeveste Gomez	Osceola, Iowa	Matthew Tyson Shock	Cedar Rapids, Iowa
Anthony Roland Galliard	Leavenworth, Kans.	Jeffrey Stuart Tait	Carroll, Iowa
Trevor Allen Guenther	Cedar Rapids, Iowa	Kabrina Denise Voigts	Ames, Iowa
* Junlin Liu	Chengdu, China	Quante Wang	Wuhan, China
John Parker Rodenberg	Marion, Iowa	Tanner J. Wilkie	Prairie City, Iowa

### Major in Management

---

Carter Brandt	Bondurant, Iowa	Ethan Daniel Mottla	Edina, Minn.
Megan Elizabeth Coulter	Cedar Rapids, Iowa	David Munoz Munoz	Sloan, Iowa
Jazmin Diaz-Gutierrez	Marshalltown, Iowa	Logan Scott Perry	Moravia, Iowa
Dominique Marie Fox	Leon, Iowa	Miles Stuart Williams	South Saint Paul, Minn.
Reagan Jaci Fulton-Derrick	Grundy Center, Iowa	Budoor Zaitoni	Ames, Iowa
Cole Harlan Koerner	West Des Moines, Iowa	* Sitong Zhou	Qingdao, China
Mario Moreno Jr.	Elgin, Ill.		

### Major in Management Information Systems

---

Carter Grant Curtis	Waukee, Iowa	James E. Nolan	Mount Prospect, Ill.
Adalberto Gomez	Round Lake, Ill.	Conner Joseph Osborn	Hiawatha, Iowa
Kendell Tyler Jackson	Des Moines, Iowa	Cooper D. Sargent	Aurora, Ill.
Cameron J. E. Johnson	Wellsburg, Iowa	Shashwat Singh	Patna, India
Ailihute Kadeer	Urumqi, China	Jackson Robert Slaney	Edina, Minn.
Timon Nadarevic	Johnston, Iowa	Carter Aaron Thornton	Matteson, Ill.
Bailey Christine Noble	Des Moines, Iowa		

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

## Major in Marketing

---

Trey Robert Belt	Lake View, Iowa	Katlynn Ann Godfrey	Ankeny, Iowa
Jack Callahan Biesecker	Geneva, Ill.	Matthew Alexander Konicek	Santa Clara, Calif.
Anthony J. Campagna	Ankeny, Iowa	Jordon Christopher Luckow	Belvidere, Ill.
Ghyzell Rie Tumale Carter	Plymouth, Minn.	Peter John McGinty	Minneapolis, Minn.
Ryan A. Christopherson	Waconia, Minn.	Mark Anthony Mosher	Huxley, Iowa
** Kaitlyn Nicole Collins	Davenport, Iowa	Keith Arthur O'Brien	Ankeny, Iowa
** Kelly Marie Gaede	Crystal Lake, Ill.	Eric Robert Schultz	Arlington Heights, Ill.
Thomas M. Garibaldi	Excelsior, Minn.	* Aditya Verma	Cairo, Egypt
Vance Michael Gibson	Ankeny, Iowa		

## Major in Supply Chain Management

---

Angel Alejandro Aguilar Montiel	Denison, Iowa	Isaac David Meyerholz	Williamsburg, Iowa
Emmett M. Belongie	Eden Prairie, Minn.	John T. Nock	Bettendorf, Iowa
Cristopher Gavin Bradley	Stillwater, Minn.	Erik T. Saline	Wheaton, Ill.
Nasim Mohamed Dinari	Houston, Tex.	Nicholas Stephen Sullivan	Monroe, N.Y.
Cameron Claire Hillsman	West Des Moines, Iowa	Fuliang Zhang	Taiyuan, China
Devassy Jeev Padavath	Bangalore, India		

## Multiple Curricula and Majors

---

Fatima Garcia Pantoja	Storm Lake, Iowa	Tejas Jhamb	Indore, India
Supply Chain Management and International Business		Marketing and Management Information Systems	
		***† Logan Kohl	Jefferson, Iowa
		Accounting and Management	

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

# DEGREE RECIPIENTS FROM THE COLLEGE OF DESIGN

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## BACHELOR OF ARCHITECTURE

---

### Curriculum in Architecture

---

Melanie Ann Gray-Trier	Pewaukee, Wis.	Rahul Suddapalli	Clive, Iowa
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## BACHELOR OF ARTS

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### Curriculum in Art and Design

---

Brandilynn C. Smith	Council Bluffs, Iowa	Allyson L. Swim	Berwick, Iowa
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### Curriculum in Interdisciplinary Design

---

Mckayla S. Baker	Davenport, Iowa	Shuai Jiang	Nantong, China
Joshua Dean Fluharty	Oak Park, Ill.	Aiko Grace Saito	Fujisawa, Japan

### Multiple Curricula and Majors

---

Rachel Marie Schmitz	Marquette, Iowa
Interdisciplinary Design and Environmental Studies	

## BACHELOR OF FINE ARTS

---

### Curriculum in Graphic Design

---

Fernando Elizalde	Storm Lake, Iowa	Brooklyn Nicole Williams	Bondurant, Iowa
Casey Reed Stewart	Story City, Iowa		

### Curriculum in Interior Design

---

Makayla Nicole Boring	Evansville, Ind.	Ian Joseph Meisch	Davenport, Iowa
Hailey Madison Day	Muscatine, Iowa		

## BACHELOR OF INDUSTRIAL DESIGN

---

### Curriculum in Industrial Design

---

Julianne K. Faulconer	Elkhorn, Neb.	Brady Joseph Ouradnik	Le Mars, Iowa
*** Lea Catherine Hines	Mount Prospect, Ill.		

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



# BACHELOR OF LANDSCAPE ARCHITECTURE

---

## Curriculum in Landscape Architecture

---

Austin Lee Cox

*Van Meter, Iowa*

Alexander Darnielle

*Des Moines, Iowa*

# BACHELOR OF SCIENCE

---

## Curriculum in Community and Regional Planning

---

Sara Melisa Darroux

*Tampa, Fla.*

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

# DEGREE RECIPIENTS FROM THE COLLEGE OF ENGINEERING

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## BACHELOR OF SCIENCE

---

### Curriculum in Aerospace Engineering

---

Joshua Andrew Fogtman	Hawthorn Woods, Ill.	Mathew James Magee	Naperville, Ill.
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### Curriculum in Chemical Engineering

---

Catrina Elizabeth Judge	West Des Moines, Iowa	* Blake Andrew Richards	Des Moines, Iowa
Madeline Grace McCollor	Woodbury, Minn.		

### Curriculum in Civil Engineering

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Ferida Ashley Ikeljic	West Des Moines, Iowa	Drew Christopher Sannes	Cedar Falls, Iowa
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### Curriculum in Computer Engineering

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Robert R. Barton III	Crystal Lake, Ill.	*** Gregory Paul Wendt	Geneva, Ill.
Jeffrey M. Richardson	Glenwood, Iowa		

### Curriculum in Construction Engineering

---

* Jacob Evan Dansby	Eagan, Minn.	Drew William Eich	Ogden, Iowa
Dylan Alan Davis	Bedford, Iowa	Justin William Schneider	Council Bluffs, Iowa

### Curriculum in Electrical Engineering

---

Abraham Contreras-Ramos	Des Moines, Iowa	Matthew T. Thies	Robins, Iowa
Eric Matthew Schultz	The Woodlands, Tex.		

### Curriculum in Industrial Engineering

---

Erick Marquis Pittman	Colorado Springs, Colo.	Dylan W. Van Hill	Omaha, Neb.
Kyle Steven Rhodus	Lakeville, Minn.		

### Curriculum in Materials Engineering

---

Paul Henry Boyd	Bettendorf, Iowa
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### Curriculum in Mechanical Engineering

---

Anthony Alvarez	Carpentersville, Ill.	Kaustubh Dube	Jabalpur, India
Bridget Rose Bolkcom	Lino Lakes, Minn.	Erika Christine Erdmann	Eagan, Minn.
Robert Allan Boyken	Titonka, Iowa	Natalie Michelle Figueroa Félix	Carolina, Puerto Rico.
Nicholas B. Bradley	Rock Island, Ill.	Jacob Mark Fitzpatrick	Ohio, Ill.
Taylor Allen Brown	La Porte City, Iowa	Zachary Miles Gilmartin	Wildwood, Mo.
Jingwei Chen	Xiamen, China	Caleb J. Gonyo	Eldridge, Iowa
Tyler Martin Cluff	Lockport, Ill.	Joshua Teague Jamison	Cedar Falls, Iowa
Anthony Joseph Cortese	Oconomowoc, Wis.	Nikola Jokic	Gurnee, Ill.
Christopher M. Crapnell	Davenport, Iowa	Karan Ramdas Kamthe	Pune, India
Chancellor J. Dakovich	Waterloo, Iowa		

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

Riley Jade Karaganis	Champaign, Ill.	Hunter S. Ragan	Ankeny, Iowa
Robert Joseph Kuban	Naperville, Ill.	Adam Marker Rychlick	Maple Grove, Minn.
Ming Ho Lau	Fremont, Calif.	Braden L. Schlesselman	Deep River, Iowa
John W. Lewis	Andover, Minn.	Micah Dean Schutte	Houston, Minn.
Emily Katherine Lunzer	Eden Prairie, Minn.	Shane Michael Sweeney	Dubuque, Iowa
Corinne S. McDowell	Rock Island, Ill.	Brandon J. Tharp	Huntley, Ill.
Jacob Allen Means	Des Moines, Iowa	Andrew Todd Thies	Robins, Iowa
Adan Santana Medina	Perry, Iowa	Eduardo Jorio Veloso	Boca Raton, Fla.
Austin Brian Newman	Clive, Iowa	** Hayden James Walker	Bloomington, Ill.
Rajit Kiran Patel	Glenview, Ill.	Hannah Linnea Wanous	Minneapolis, Minn.
Pranav Ashok Patil	Kingston, Pa.	Chase James White	Camanche, Iowa
Samuel Raymond Petefish	Chippewa Falls, Wis.	Changwen Xu	Shanghai, China
Andrew John Petersen	Fond du Lac, Wis.	Siyu Xu	Ordos, China
* Shyam Purohit	Mumbai, India	Yimang Zhou	Shenyang, China

### Curriculum in Software Engineering

---

Richard Keyes Anderson	North Liberty, Iowa	Tyler James Hutchinson	Des Moines, Iowa
Andrei Thomas Baechle	St. Paul, Minn.	Gavin Monroe	Afton, Iowa
Ryan Gene Howe	Ankeny, Iowa		

### Multiple Curricula and Majors

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Morgan Kay Anderson	Newton, Iowa	* Colby Ryan McKinley	Combined Locks, Wis.
Software Engineering and Liberal Arts and Sciences: Major in Psychology		Software Engineering and Liberal Arts and Sciences: Major in Mathematics	
Olivia Lajune Devitt	Ida Grove, Iowa		
Chemical Engineering and Liberal Arts and Sciences: Major in Mathematics			

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



## Curriculum in Family and Consumer Sciences Education and Studies

---

Stephanie L. Bruno

Arlington Heights, Ill.

Theresa Ann Lauritsen

Otley, Iowa

## Curriculum in Financial Counseling and Planning

---

Aiden Elian Gonzalez

Sioux City, Iowa

## Curriculum in Hospitality Management

---

Christina Rose Cardamone

Des Moines, Iowa

Rachel Ann Ogaard

Iowa Falls, Iowa

Ashley Marie Hodson

Indianola, Iowa

Michael James Roozeboom

Pella, Iowa

## Curriculum in Kinesiology and Health

---

Kalyne Rae Muriel Abel

Ames, Iowa

Daniel Neumann

Urbandale, Iowa

Madison Lyn Abraham

Nevada, Iowa

Makenna Joan Neuroth

Webster City, Iowa

Sarah Michelle Anhalt

Combined Locks, Wis.

Dalton Ray O'Riley

Shannon City, Iowa

Joseph Donald Billerbeck

Urbandale, Iowa

Jacqueline Ochoa Jordan

St. Louis Park, Minn.

\* Mariah Grace Bjerke

Montrose, Minn.

Caroline Sara Orlin

Oak Park, Ill.

\* Bethany Elizabeth Doom

Urbandale, Iowa

\*\* Kelcey Jordan Perry

Bondurant, Iowa

Joel Hernan Espinoza

Bakersfield, Calif.

Ryan Richard Raasch

Ankeny, Iowa

Andrew Michael Farrell

Urbandale, Iowa

Madilyn Rink

Cedar Rapids, Iowa

Sean Patrick Finnegan

Bettendorf, Iowa

Larry Wayne Roberts

Channahon, Ill.

Amanda Christine Fish

Olathe, Kans.

Marilyn Gissel Rodriguez

Denison, Iowa

Moira Elan Green

Cedar Rapids, Iowa

Katelyn R. Schulze

Indianola, Iowa

Mehzore Gweh

Ottumwa, Iowa

Hannah Grace Short

Knoxville, Iowa

Andrea Jean Hobbs

Ankeny, Iowa

\*\* Olivia Victoria Signor

Des Moines, Iowa

Olivia Claire Hrubetz

Des Moines, Iowa

Kirsten Renae Smith

Mount Pleasant, Iowa

SeVonn Cornelius Jordan

Homewood, Ill.

Nicole Marie Sorensen

Egan, Minn.

Jacob William Jorgensen

Chicago, Ill.

Tara Michelle Stewart

Lee's Summit, Mo.

Katey Kapral

Hickory Hills, Ill.

John Roland Volkamer

Des Moines, Iowa

Landin Bruce Kramer

Dubuque, Iowa

Connor James Westergaard

Adair, Iowa

\*\* George Franklin LaCava

Cleveland, Ohio

Kathryn Diane Wingert

Panora, Iowa

Madisen M. Lundquist

McCallsburg, Iowa

Maximillian H. Youngbear

Toledo, Iowa

Emily Elizabeth Moser

Marcus, Iowa

Natalie Anna Zolkos

Bloomington, Ill.

Michael James Naert

Coal Valley, Ill.

## Curriculum in Nutritional Science

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Alexis Kayla Erickson

Fort Dodge, Iowa

# BACHELOR OF SCIENCE IN NURSING

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## Curriculum in Nursing

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\*\*\* Esther Ann Huston

West Des Moines, Iowa

\*\*\* Courtney Ann Martin

Ames, Iowa

\*\* Maria Theresa Larson

West Des Moines, Iowa

Mallory Susan Ruhland

Paton, Iowa

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

# DEGREE RECIPIENTS FROM THE COLLEGE OF LIBERAL ARTS AND SCIENCES

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## BACHELOR OF ARTS

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### Major in Advertising

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* Tyrel Scott Finck	Beresford, S. Dak.	Emily Anne Scott	Crown Point, Ind.
Samantha Lynn Hiatt	Ankeny, Iowa	Jaesik Son	Clive, Iowa
Olivia Husa	Council Bluffs, Iowa	Ashley Louise Sprecher	West Des Moines, Iowa
*** Mandelyn Marie Miller	Maple Grove, Minn.	* Dawn Lee Toney	Blairstown, Iowa
* Samuel Blaze Naab	Bettendorf, Iowa		

### Major in Chemistry

---

Allison Rose Hamilton	Des Moines, Iowa	Stephen Colin Majors	Batavia, Ill.
* Reid Jeffrey Lamoureux	Jefferson, Iowa		

### Major in Communication Studies

---

Joseph Clement Gude	Hamburg, Iowa	Layne A. Nelson	Eldora, Iowa
Joseph Richard Kosterman	Sycamore, Ill.		

### Major in Criminal Justice

---

Saeed Ateeq S. Almenhali	Alain, United Arab Emirates	Cassady Kay Kelly	Des Moines, Iowa
Makenzie E. Ayers	Council Bluffs, Iowa	* Brian Kipngetich Kolum	Fort Dodge, Iowa
Hunter William Brenning	Ankeny, Iowa	* Reid Jeffrey Lamoureux	Jefferson, Iowa
*** Colton Cash Campbell	Pleasant Hill, Iowa	Megan Ann Ostrander	Ames, Iowa
Chloe Christine Davis	State Center, Iowa	Holly Amber Palzewicz	Norwalk, Iowa
Nicholas Robert Ford	Cedar Rapids, Iowa	Jesse Sears	Rock Valley, Iowa
Mason Joseph Froehlich	Sioux City, Iowa	Elizabeth Joy Slater	Fort Dodge, Iowa

### Major in English

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Paige Arnold	Charles City, Iowa	Mara Ruth Olsen	Wheaton, Ill.
Helaina Kenzie Dahl	Geneseo, Ill.	AbreElla Teresa Khonesavanh	
Stephanie Rae Femrite	Ames, Iowa	Sibounma	Des Moines, Iowa

### Major in Linguistics

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*** Caitlin Elizabeth Cisar	Des Moines, Iowa		
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### Major in Philosophy

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John Patrick Leto	Pleasant Hill, Iowa	Benjamin Francis Tillinghast	Urbandale, Iowa
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### Major in Political Science

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Austin Robert Bray	Chanhassen, Minn.	Kamry Renae Peyton	Henderson, Nev.
Matthew Dennis Keyes	Omaha, Neb.	David Michael Wade	Mason City, Iowa

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

## Major in Psychology

---

Brittnee Ann Crom	Mason City, Iowa	Kelsey Anne Odeen	Saint Paul, Minn.
Kristofer Nicolas Grant	Saint Louis, Mo.	Juliandra Perez Hernandez	Ankeny, Iowa
* Kallie Jo Hall	Ames, Iowa	Nicholas C. Peters	Prairie City, Iowa
Aspen Cheyenne Hunter	Alamosa, Colo.	* Larissa Renee Saenz	Alexandria, Va.
Jeongbeen Lim	Goyang, South Korea	Jessica Marie Schroer	Glidden, Iowa
Abbey Nichols	Lake in the Hills, Ill.		

## Major in Sociology

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Katharine A. Bertelson	Van Meter, Iowa
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## Major in World Languages and Cultures (Spanish)

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Christina Rose Cardamone	Des Moines, Iowa
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## Multiple Curricula and Majors

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Joshua Ace Groves	Woodward, Iowa	Jill Jean Riker	Ames, Iowa
Criminal Justice and Sociology		Performing Arts and English	
Kalli Christine Ploof	Shakopee, Minn.	*** Alyssa Kay Romp	Ames, Iowa
Political Science and Business: Major in Finance		Psychology and Criminal Justice	

# BACHELOR OF LIBERAL STUDIES

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## Major in Liberal Studies

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Rasir Zias Bolton	South Chesterfield, Va.	Alexis Marie Morgan	Canon City, Colo.
Carlton Douglas Davis	Ankeny, Iowa	Jon W. Schoenenberger	Des Moines, Iowa
Lisa Mary Heimbruch	Concord, Calif.	Cody P. Schroeder	Moville, Iowa
Gabriel Elliott Honnold	West Des Moines, Iowa	Jordan Sibenaller	Fort Dodge, Iowa
Abby Nicole Johnson	Marion, Iowa	Russell William Silvis	Roseville, Minn.
Jessica Marie Klepsteen	Bondurant, Iowa	Molly Catherine Whiting	Davenport, Iowa
Emma E. Martin	West Des Moines, Iowa	Chad David Winchester	Urbandale, Iowa
Mariah Mae-Atkins Miller	Urbandale, Iowa	Princess Patricia Zoaryan	Des Moines, Iowa

# BACHELOR OF SCIENCE

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## Major in Anthropology

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Bryan Thomas Belling	Waukee, Iowa
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## Major in Bioinformatics and Computational Biology

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Jackson Matthew Miller	Park Ridge, Ill.
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## Major in Biology

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Grant Thomas Armstrong	Sioux City, Iowa	Lokesh Yuvraj Patil	Pune, India
Bryan Kheng Zhee Loh	Malaysia	William Ray Zastrow	Cedar Rapids, Iowa
Janett Luna-Juarez	Des Moines, Iowa		
Stephanie Marrero Bracero	Vega Alta, Puerto Rico.		

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



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**Major in Computer Science**

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Cody Adams	Las Vegas, Nev.	Zachary James Gorman	Saint Charles, Ill.
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**Major in Economics**

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** Akansh Kumar Gupta	Johnston, Iowa	Blaise Michael Ronspies	Fremont, Neb.
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**Major in Environmental Science**

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Morgan Nicole Crawford	Oswego, Ill.
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**Major in Geology**

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** Benjamin Clarke Boesen	Boone, Iowa	Maxwell Gentry Kimball	Bloomington, Ill.
Joshua Michael David	Chicago, Ill.	Thomas J. Petitti	Okoboji, Iowa
Adam P. Jenke	Hawthorn Woods, Ill.	Andrew Brian Van Den Top	Chariton, Iowa
* Cole Michael Kellow	Deerfield, Ill.		

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**Major in History**

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Tyson Douglas Campbell	Dunlap, Ill.
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**Major in Journalism and Mass Communication**

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Cinthia Alejandra Naranjo	Perry, Iowa	* Regan Ryan Ann Wyckoff	Carlisle, Iowa.
Alphonso Southers Jr.	Tampa, Fla		

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**Major in Mathematics**

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** Jason Patrick Baxter	Urbandale, Iowa	Matthew Rolland Riley	West Des Moines, Iowa
Charles Ross McCarthy	Ames, Iowa		

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**Major in Psychology**

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Jada Denise Alexander	Urbandale, Iowa	John Donohue Golen	Elmhurst, Ill.
Makenzie E. Ayers	Council Bluffs, Iowa	Katherine E. Jessen	Des Moines, Iowa
Chloe Butler	Crawfordsville, Iowa	Taylor Margaret Monroe	Ames, Iowa
* Cassandra Marie Cox	Polk City, Iowa	Brandon Michael Spear	Ankeny, Iowa

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**Major in Public Relations**

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* Savanna Kay Baldwin	Iowa Falls, Iowa	** Elizabeth Grace Klein	La Porte City, Iowa
Dakota Devinne Barr	Monona, Iowa	Kaitlynn Lee McCaull	Des Moines, Iowa
Evan Cordt	South Elgin, Ill.	Cameron Michael Perlberg	Council Bluffs, Iowa
Elyse Davis	Omaha, Neb.	Izacc David Quisling	Buffalo Center, Iowa
Samuel Herbert Ellis	Albert Lea, Minn.	* Olivia Rasmussen	Des Moines, Iowa
Kendal Autumn Erwin	Overland Park, Kans.	Paige Elizabeth Stephenson	Ames, Iowa
Madeline Luann Evans	Marion, Iowa	Abigail E. Tjepkes	Hudson, Iowa
* Chloe J. Garman	Algona, Iowa	*** Saylor Olivia Upah	Tama, Iowa
Riley Danielle King	Lakeville, Minn.	** Lauren Elizabeth White	Victoria, Minn.

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**Major in Sociology**

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Michaela Josephine Ponce	Sioux City, Iowa
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\* Cum Laude  
\*\* Magna Cum Laude  
\*\*\* Summa Cum Laude  
† Honors Program

## Major in Statistics

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Zihao Han  
Abe Stephenson

Jinan, China  
Seattle, Wash.

Brittany Ellen Wood  
Feifan Yuan

Rogers, Minn.  
Shanghai, China

## Major in Technical Communication

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\*\*\* Lucia Marie Dekkenga

Sioux Falls, S. Dak.

Crystal Anne Henry

Ames, Iowa

## Multiple Curricula and Majors

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\* Kendra Ann Bries  
Public Relations and World Languages and  
Cultures (Spanish)

Bettendorf, Iowa

Victoria E. Villanueva  
Biology and International Studies

Angleton, Tex.

Noah Patrick Sabers  
Physics and Mathematics

Dubuque, Iowa

\*\* Carter J. Wunsch  
Computer Science and Psychology

Johnston, Iowa

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



# Honorary Degree Recipients

# HONORARY DEGREE RECIPIENTS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

**2008: Kenneth M. Quinn, Doctor of Humane Letters.** Graduate of 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.

## 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)