

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

*Congratulations to all of the Fall 2012 graduates of Iowa State University!*

*We are very proud of you for the successful completion of your academic programs, and we are pleased to present you with a degree from Iowa State recognizing this outstanding achievement. We also congratulate and thank everyone who has played a role in the graduates' successful journey through Iowa State, and we are delighted that many of you are here for this ceremony to share in their recognition and celebration.*



*We have enjoyed having you as students at Iowa State University, and we thank you for the many ways you have contributed to our university and community. I wish you the very best as you embark on the next part of your life, and I encourage you to continue your association with Iowa State as part of our worldwide alumni family.*

*Iowa State University is now in its 154th year as one of the nation's outstanding land-grant universities. We are very proud of the role this university has played in preparing the future leaders of our state, nation and world, and in meeting the needs of our society through excellence in education, research and outreach. As you graduate today, you are now a part of this great tradition, and we look forward to the many contributions you will make.*

*I hope you enjoy today's commencement ceremony. We wish you all continued success!*

*Sincerely,*

A handwritten signature in black ink that reads "Steven Leath". The signature is written in a cursive style with a large, sweeping initial "S".

*Steven Leath  
President of the University*

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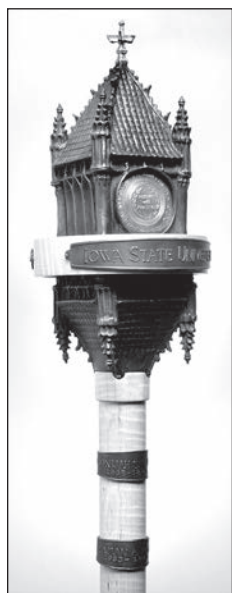
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## THE OFFICIAL UNIVERSITY MACE

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



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

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

Created in bronze, silver and tiger maple, the Iowa State University mace incorporates important campus icons such as the campanile located on central campus and the Fountain of Four Seasons, located on the north side of the Memorial Union and features likenesses of four Native American women. The sculptures were

created in 1941 by Christian Petersen, sculptor-in-residence from 1934-1955.

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

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

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

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

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

## THE PRESIDENTIAL CHAIN OF OFFICE

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

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

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

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

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

## ACADEMIC REGALIA

In May 2008, as part of its sesquicentennial celebration, 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 each of the two front velvet panels. An eight-sided black velvet tam with a gold silk tassel

completes the official regalia.

The ceremony as well as the academic costume at commencement symbolize the record of academic achievement of the various individuals taking part in commencement exercises. The use of academic costume reaches back to medieval times and the beginnings of the famed old universities of Europe and England. Gowns (long, full robes) and cloaks with hoods were common garb. The unheated buildings frequented by medieval scholars certainly were an important factor in the choice of clothing.

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 facing and bars may be black or may be a color pertaining to the discipline. The color of the commencement gown varies in other countries. In America, black is typically the color of choice for bachelor's and master's degrees.

The square shape of the scholar's cap or mortarboard is thought to denote the stability of scholars and their books as suggested in the old poem, "The Ballad of the Cap," first published in 1564. 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 – Drab
- Design – Brown
- Engineering – Orange
- Human Sciences – Maroon
- Liberal Arts and Sciences
  - Bachelor of Arts – White
  - Bachelor of Liberal Studies – White
  - Bachelor of Music – Pink
  - Bachelor of Science – Golden Yellow
- Veterinary Medicine – Gray

The hood gives color to the academic costume while its length indicates the wearer's academic degree. At Iowa State, hoods are worn by doctorate degree recipients. Exceptions are made for honorary degree recipients and other officials of the ceremony. In general, hoods are made of a wide panel of black cloth, matching the gown and are lined with satin in the official academic colors of the institution awarding the degree.

Iowa State University's colors are cardinal and gold, therefore the top half of the lining is gold and the lower part is cardinal. The colors used in the edging of hoods and tassels are associated with the discipline. For example, dark blue represents Philosophy and all hoods used in conferring the Doctor of Philosophy degree at Iowa State University are of dark blue edging.



## HOODING CEREMONY, DOCTOR OF PHILOSOPHY

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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 already 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 4.0 scale. In addition to the notation in the commencement program, this recognition appears on the official transcript and diploma.

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

Students graduating with special recognition will wear a cord and/or medallion and 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)

## ACADEMIC TITLES

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The following provides a brief description for the academic titles that appear in this program followed by a list of symbols for each title. Where appropriate, a symbol will be displayed behind the person's name.

Distinguished Professor denotes those faculty members who have been recognized for having attained outstanding national and international reputations within their professional disciplines.

University Professor denotes those faculty members who have been recognized for having made outstanding contributions to the quality of education at Iowa State University.

An endowed chair or professorship provides special recognition to the faculty member to whom the title is awarded. It is held for a specific term, and during that time, endowment earnings are used by the university to supplement departmental support of the faculty member's scholarship and responsibilities in teaching, research, outreach, and service. These chairholders specialize in areas of study identified by the donors who created the endowments.

- ‡ Distinguished Professor
- ‡‡ University Professor
- ◇ Endowed Chair
- ◇◇ Endowed Professorship

## IOWA STATE UNIVERSITY TRADITIONS

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The first swans on Lake LaVerne, Lancelot and Elaine, were a gift from the 1935 VEISHEA Central Committee. From that day on, there has been a pair of swans on Lake LaVerne.

When Iowa State's young football team beat mighty Northwestern University 36 to 0 in 1895, an article in the Chicago Tribune said, "Northwestern might as well have tried to play football with an Iowa cyclone as with the Iowa team it met yesterday." Thus, the "Cyclones" were born. Cy the Cardinal became Iowa State's mascot in 1954.

It is said if you step on the bronze zodiac relief on the floor of the Memorial Union's Gold Star Hall, you will flunk your next test.



VEISHEA, an all-university spring open house first organized in 1922, is among the nation's largest university student-managed festivals. The festival got its name from the first letters of Iowa State's first colleges: Veterinary Medicine, Engineering, Industrial Science, Home Economics, and Agriculture. Two of VEISHEA's long-standing traditions are individual cherry pies and the musical production "Stars Over VEISHEA."

In 2003, Iowa State revived a 60-year-old tradition: the Official ISU Ring. Students and alumni worked with the ISU Alumni Association and University Book Store to design a ring that symbolically captures the uniqueness of Iowa State. Rings may only be worn by alumni or by students who have achieved junior or senior status. Rings are officially presented at an annual ring ceremony.

The tradition of "campaniling" states that a student officially becomes an Iowa Stater when he or she is kissed under the university's campanile at the stroke of midnight.

The Fountain of the Four Seasons by artist-in-residence, Christian Petersen (Danish-American, 1885-1961), is located in front of the Memorial Union and was a gift from the 1937 VEISHEA Committee. In 1942, Christian Petersen added four sculptures to represent the four seasons. The east sculpture represents spring with the planting of corn; south - summer, sheltering a young plant; west - fall, holding the harvest; and north - winter, nursing a child. Legend has it that good luck will come to you if you throw a coin in the fountain.

# COMMENCEMENT PROGRAM

**1:30 p.m., Saturday, December 15, 2012, James H. Hilton Coliseum**

PRESIDENT STEVEN LEATH, B.S., M.S., PH.D., PRESIDING

## Processional

*Pomp and Circumstance*..... Edward Elgar

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

Conferring of the Honorary Degree, Doctor of Science  
Recipient James L. Barnard President Leath

Commencement Address Kim Reynolds  
Lieutenant Governor of Iowa

## Interlude

*Without a Song*..... Youmans & Rose  
arr. Michael Golemo  
Simon Estes, Vocalist

## Interlude

*Cyclone Fantasia*..... Michael Golemo

Student Recognitions Provost Wickert  
Graduate students receiving Research and Teaching Excellence Awards  
Undergraduate students with Special Recognition

Conferring of the Doctor of Philosophy Degree President Leath  
Candidates from the Graduate College presented by David K. Holger,  
Associate Provost for Academic Programs and Dean of the Graduate College

Conferring of the Master's Degree President Leath  
Candidates from the Graduate College presented by David K. Holger,  
Associate Provost for Academic Programs and Dean of the Graduate College

Conferring of the Bachelor's Degree President Leath  
Candidates for the Bachelor's Degree presented by Jonathan A. Wickert, Provost  
College of Agriculture and Life Sciences candidates recognized by Dean Wendy Wintersteen  
College of Business candidates recognized by Interim Dean Michael R. Crum  
College of Design candidates recognized by Dean Luis Rico-Gutierrez  
College of Engineering candidates recognized by Interim Dean Mufit Akinc  
College of Human Sciences candidates recognized by Dean Pamela J. White  
College of Liberal Arts and Sciences candidates recognized by Dean Beate Schmittmann

The Class of 2012 and the Alumni Association Jeffery W. Johnson  
President  
Iowa State University Alumni Association

Remarks President Leath

*The Bells of Iowa State*..... James C. Wilson  
Refer to the back cover for the lyrics and story of *The Bells of Iowa State* arr. Michael Golemo  
Aaron Hofmeyer, Vocalist

## Recessional

*La Mousique*..... Tylman Susato

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

# COMMENCEMENT CEREMONY

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## Platform Officials

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Steven Leath, President of the University  
Kim Reynolds, Lieutenant Governor of Iowa and  
Commencement Speaker  
James L. Barnard, Global Practice and Technology  
Leader for Black & Veatch and Honorary  
Degree Recipient  
Jonathan A. Wickert, Senior Vice President and Provost  
Thomas L. Hill, Senior Vice President for Student  
Affairs  
Cathann A. Kress, Vice President for Extension and  
Outreach  
Pamela Anthony, Dean of Students  
Simon Estes, F. Wendell Miller Distinguished Artist in  
Residence  
Jeffery W. Johnson, President of the Alumni  
Association  
Suzanne Hendrich, University Professor and President  
of the Faculty Senate  
Laura J. Doering, Registrar of the University

David K. Holger, Associate Provost for Academic  
Programs and Dean of the Graduate College  
Wendy Wintersteen, Endowed Dean of the College of  
Agriculture and Life Sciences  
Pamela J. White, Dean of the College of Human  
Sciences  
Luis Rico-Gutierrez, Dean of the College of Design  
Beate Schmittmann, Dean of the College of Liberal Arts  
and Sciences  
Olivia M. Madison, Dean of the Library  
Michael R. Crum, Interim Dean and Raisbeck Dean of  
the College of Business  
Mufit Akinc, James L. & Katherine S. Melsa  
Professor and Interim Dean of the College of  
Engineering  
Qijing Zhang, Associate Dean of Research and  
Graduate Studies of the College of Veterinary  
Medicine

## Faculty Representatives and Presenting Professors

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Lyric C. Bartholomay, Entomology  
William D. Beavis, Agronomy ✧  
Jeffrey K. Beetham, Veterinary Pathology  
Bryan H. Bellaire, Veterinary Microbiology and  
Preventive Medicine  
Douglas G. Bonett, Statistics and Psychology  
Nicola Bowler, Electrical and Computer Engineering  
Anne M. Bronikowski, Ecology, Evolution and  
Organismal Biology  
Corly P. Brooke, Human Development and Family  
Studies  
Ying Cai, Computer Science  
Virginia Caples, Apparel, Events, and Hospitality  
Management  
Alicia L. Carriquiry, Statistics ‡  
Carl K. Chang, Computer Science  
Carol A. Chapelle, English ‡  
Philip M. Dixon, Statistics ‡‡  
Larry H. Ebbers, School of Education ‡‡  
Nicola Elia, Electrical and Computer Engineering  
Timothy G. Ellis, Civil, Construction and  
Environmental Engineering  
Nancy J. Evans, School of Education  
Walter R. Fehr, Agronomy ‡  
Rohan L. Fernando, Animal Science  
Nicholas K. Gabler, Animal Science  
William A. Gallas Jr., Geological and Atmospheric  
Sciences  
Dorian J. Garrick, Animal Science ✧  
Susana Goggi, Agronomy

Alan I. Goldman, Physics and Astronomy ‡  
Thomas J. Greenbowe, Chemistry  
Yong Guan, Electrical and Computer Engineering  
Clinton G. Gudmunson, Human Development and  
Family Studies  
Richard B. Hall, Natural Resource Ecology and  
Management ✧✧  
Chris Harding, Human Computer Interaction  
Dermot J. Hayes, Economics ✧  
Volker H. Hegelheimer, English  
James H. Hollis, Food Science and Human Nutrition  
L. Steven Hou, Mathematics  
R. S. Houk, Chemistry  
Malika Jeffries-EL, Chemistry  
Gloria Jones-Johnson, Sociology  
Steven D. Kawaler, Physics and Astronomy  
Atul G. Kelkar, Mechanical Engineering  
Brent E. Kreider, Economics  
Dennis V. Lavrov, Ecology, Evolution and Organismal  
Biology  
Richard A. Lesar, Materials Science and  
Engineering ✧✧  
Peng Liu, Statistics  
Steven M. Lonergan, Animal Science  
Ruth S. MacDonald, Food Science and Human  
Nutrition  
Gustavo C. MacIntosh, Biochemistry, Biophysics and  
Molecular Biology  
Jennifer A. Margrett, Human Development and Family  
Studies

‡Distinguished Professor

✧Endowed Chair

‡‡University Professor

✧✧Endowed Professorship



## Faculty Representatives and Presenting Professors (continued)

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Richard J. Martin, Biomedical Sciences  
Robert E. Mazur, Sociology  
Brian E. Mennecke, Supply Chain and Information Systems  
Terrence R. Meyer, Mechanical Engineering  
Steven K. Mickelson, Agricultural and Biosystems Engineering ✧✧  
John A. Miranowski, Economics  
Daniel S. Nettleton, Statistics ✧  
Linda S. Niehm, Apparel, Events, and Hospitality Management  
Basil J. Nikolau, Biochemistry, Biophysics and Molecular Biology ✧✧  
Frank E. Peters, Industrial and Manufacturing Systems Engineering  
Michael C. Quist, Natural Resource Ecology and Management  
Lakshman Rajagopal, Apparel, Events, and Hospitality Management  
Daniel C. Robinson, School of Education ††  
James A. Roth, Veterinary Microbiology and Preventive Medicine †  
Sarah M. Ryan, Industrial and Manufacturing Systems Engineering  
Randy E. Sacco, Veterinary Microbiology and Preventive Medicine

Aaron D. Sadow, Chemistry  
Patrick S. Schnable, Agronomy ✧✧  
Michael A. Shogren-Knaak, Biochemistry, Biophysics and Molecular Biology  
Arun K. Somani, Electrical and Computer Engineering †✧  
Jiming Song, Electrical and Computer Engineering  
Michelle L. Soupir, Agricultural and Biosystems Engineering  
Soko S. Starobin, School of Education  
Sriram Sundararajan, Mechanical Engineering  
Xiaoli Tan, Materials Science and Engineering  
Patricia A. Thiel, Chemistry and Materials Science and Engineering †✧✧  
Johannes Van Leeuwen, Civil, Construction and Environmental Engineering ✧✧  
Kan Wang, Agronomy  
Michael J. Wannemuehler, Veterinary Microbiology and Preventive Medicine  
Eric S. Weber, Mathematics  
R. Christopher Williams, Civil, Construction and Environmental Engineering  
Alyson G. Wilson, Statistics  
Gregory D. Wilson, English  
Wensheng Zhang, Computer Science

## Faculty Marshals

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Larry H. Ebbers, University Professor of School of Education, College of Human Sciences (Chief Marshal)  
Daniel C. Robinson, University Professor of School of Education, College of Human Sciences (Chief Marshal)  
C. Lee Burras, Professor of Agronomy, College of Agriculture and Life Sciences  
John Cunnally, Associate Professor of Integrated Studio Arts, College of Design  
Frederick H. Dark, Associate Professor and Chair of Finance, College of Business  
Veronica J. Dark, Professor of Psychology, College of Liberal Arts and Sciences  
Tim R. Derrick, Professor of Kinesiology, College of Human Sciences  
Richard E. Horton, Emeritus Professor of Electrical and Computer Engineering, College of Engineering

Charles T. Jahren, Professor of Civil, Construction, and Environmental Engineering, College of Engineering  
Kenneth C. Kruempel, Emeritus Associate Professor of Electrical and Computer Engineering, College of Engineering  
Ingrid M. Lilligren, Professor of Integrated Studio Arts, College of Design  
Michael Martin, Associate Professor of Landscape Architecture, College of Design  
Robert S. Wallace, Associate Professor of Ecology, Evolution, and Organismal Biology, College of Liberal Arts and Sciences  
Susan F. Yager, Associate Professor of English, College of Liberal Arts and Sciences

‡Distinguished Professor  
‡‡University Professor

✧Endowed Chair  
✧✧Endowed Professorship

## **Student Marshals and Faculty Escorts**

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### **Presentation of College Banner**

Jesse R. Fischer, Graduate College  
Escorted by Michael C. Quist, Collaborator  
Assistant Professor of Natural Resource  
Ecology and Management

Brittany J. Jurgemeyer, College of Agriculture and  
Life Sciences  
Escorted by Richard C. Schultz, University  
Professor of Natural Resource Ecology and  
Management

Amanda M. Mayberry, College of Business  
Escorted by Dianne L. Whittle, Senior  
Lecturer in Accounting

Davalyn L. Stepzinski, College of Design  
Escorted by Frederic C. Malven, Associate  
Professor of Interior Design

Pavel I. Beresnev, College of Engineering  
Escorted by Say Kee Ong, Professor of Civil,  
Construction, and Environmental Engineering

Holly A. Buck, College of Human Sciences  
Escorted by Cheryl Lindholm, Academic  
Adviser in School of Education

Mischa A. Olson, College of Liberal Arts and Sciences  
Escorted by Jonathan F. Wendel, Distinguished  
Professor and Chair of Ecology, Evolution,  
and Organismal Biology

### **Announcer and Reader of Names**

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Hollis Monroe

Steven K. Mickelson

### **Musicians**

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#### **Conductor**

Michael Golemo, Director of Bands

#### **Vocalist**

Simon Estes, F. Wendell Miller Distinguished Artist in  
Residence

#### **Vocalist**

Aaron Hofmeyer \*

#### **Trombone**

Kara Bader  
Reid Clagett  
Brandon Kowalsky \*  
Justin Wang  
Joshua Kassmeyer

#### **Trumpet**

Damien Emilien  
Austin Hancock  
Brandon Ritchie  
Javier Romay  
Taylor Vittitoe  
Hanna Sundberg  
Hunter Weatherman

#### **French Horn**

Kristen Ahlers  
Kristy Carter  
Chloe Dedic  
Dee Fritz  
Katrina Thomas

#### **Euphonium**

Teresa Goeddel  
Victoria Pioszak \*

#### **Tuba**

Jeremy Lockwood  
Allen Tierney

#### **Percussion**

Lee Plummer  
Brandon Weeks

\* *Graduating Student*

# HONORARY DEGREE RECIPIENT, DOCTOR OF SCIENCE

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## James L Barnard, Ph.D.

**D**r. James L. Barnard is the Global Practice and Technology Leader for Black & Veatch, an international engineering, consulting and construction company in energy, water, telecommunications, and management consulting projects with more than 100 offices worldwide.



Dr. Barnard is one of the world's leading environmental engineers. He is recognized internationally for

developing biological nitrogen and phosphorus removal processes from used water, which has revolutionized water treatment. He first introduced the processes in treatment plants in the United States and Canada in the 1970s, and he has since been involved in the design and construction of more than 100 such plants worldwide. He remains involved in design and studies for the improvement of these systems.

A native of Cape Town, South Africa, Dr. Barnard received bachelor's degrees from the University of Stellenbosch and University of Pretoria, South Africa; M.S. in environmental engineering from the University of Texas at Austin, and Ph.D. in water resources from Vanderbilt University.

Prior to joining Black and Veatch, Dr. Barnard was director and president of Meiring and Barnard Consultants in Pretoria and worked at the National Institute for Water Research in Pretoria. He has also served as adjunct professor at the University of British Columbia and taught courses in biological nutrient removal at many universities. He has published widely on these topics, and has co-authored two books and prepared many chapters for various manuals and guides.

Dr. Barnard is a Fellow of the Water Environment Federation (WEF) and was the first recipient of the Koch/Imhoff Award from the International Water Association. The South African Academy of Science and Arts has presented him with a Gold Medal Award, and he holds an Honorary Doctorate from the University of Johannesburg. Other notable awards include the Thomas R. Camp Medal, Lee Kuan Yew Water Prize, and Clarke Award. His vita says he is soon to become a United States citizen.

## COMMENCEMENT SPEAKER

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### **The Honorable Kim Reynolds, Lieutenant Governor of Iowa**

**K**im Reynolds grew up in St. Charles, Iowa, located in Madison County, and began her work in the public sector as a motor vehicle clerk in the Clarke County Treasurer's Office. She was elected Clarke County Treasurer in 1994 and was re-elected three times. In 2004, she received the "Outstanding County Treasurer in the United States" award in 2004.



In 2008, she ran successfully for the Iowa Senate. When former Iowa Governor Terry Branstad decided to run for another term as governor, he selected Reynolds for the lieutenant governor position, and November 2, 2010, the Branstad/Reynolds ticket was elected.

Lt. Gov. Reynolds is the Co-Chair of the Governor's STEM (Science, Technology, Engineering, and Math) Advisory Council, whose goal is to increase student interest, participation and achievement in STEM fields so Iowa has a skilled workforce. Reynolds's

passion for STEM education resulted in her being the only elected official named to the "100 Women Leaders in STEM" by STEMconnector™ in 2012.

Her other responsibilities as Lieutenant Governor include: serving as co-chair of the Iowa Partnership for Economic Progress (IPEP) Board, co-chair of the Military Children Education Coalition, as a coordinator of the Des Moines Symphony's Yankee Doodle Drive Against Hunger and as the governor's representative on the Iowa State Fair Board. She has participated in or led trade missions to Germany, China, South Korea and Thailand, and in February 2012, she and Gov. Branstad hosted China Vice-President Xi Jinping, soon to become the next leader of the world's largest country, on a visit to Iowa.

Reynolds has taken an active role in the National Lieutenant Governors Association, serving on its Finance Committee, International Committee and as co-chair of the State Strategies in Energy Committee. In August of 2012, Reynolds served as Secretary of the Republican National Convention in Tampa, Fla.

Lt. Gov. Reynolds and her husband, Kevin, have three daughters and four grandchildren.

## UNDERGRADUATE COMMENCEMENT VOCALIST

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AND

## F. WENDELL MILLER DISTINGUISHED ARTIST IN RESIDENCE

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### Simon Estes

**S**imon 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, 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 Julliard 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 has taught at the Julliard School of Music, Harvard University, Boston University, and currently is a professor at Iowa State University and at Wartburg College. Among his many awards are the Distinguished Iowa Citizen Award, the Iowan Award, and the prestigious Alumni Award of Iowa State University.

# CANDIDATES FOR DEGREES FROM THE GRADUATE COLLEGE

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## DOCTOR OF PHILOSOPHY

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Sharhabeel Hassan Abdellatif Alnabelsi  
*Al-Salt, Jordan*

B.E., Al-Balqa Applied University;  
M.S., University of Alabama-Huntsville  
Department: Electrical and Computer  
Engineering  
Major: Computer Engineering  
Dissertation: On spectrum allocation  
strategies in cognitive radio networks

Sa'ud Shehab Al-Sa'di *Irbid, Jordan*

B.Ach., Jordan University of Science and  
Technology;  
M.S., *Ibid.*  
Department: Mathematics  
Major: Mathematics  
Dissertation: Sampling and interpolation in  
Hilbert spaces of entire functions

Andrey A. Asadchev *Ames*

B.S., Valdosta State University  
Department: Chemistry  
Major: Physical Chemistry  
Dissertation: Modernizing the core quantum  
chemistry algorithms

§ Naga Durga Prasad Avirneni *San Diego, Calif.*

B.Eng., Birla Institute of Technology and  
Science;  
M.S., *Ibid.*  
Department: Electrical and Computer  
Engineering  
Major: Computer Engineering  
Dissertation: RAKSHA: Reliable and  
Aggressive framework for System design  
using High-integrity Approaches

†† Merea Diann Bentrott *Huxley*

B.A., Simpson College;  
M.S., *Ibid.*  
Department: Human Development and  
Family Studies  
Major: Human Development and Family  
Studies  
Dissertation: A culture of change: Taking a  
person-centered approach to  
understanding sexual expression among  
long-term care residents

Laura Lynn Bestler *Saint Louis, Minn.*

B.S., University of Wisconsin-River Falls;  
M.Ed., Grand Valley State University  
School: Education  
Major: Education (Educational Leadership)  
Dissertation: Exploring the effect of  
addressing social injustices as a student  
affairs professional

§ Samuel Buxton *Ames*

B.S., University of Ghana  
Department: Biomedical Sciences  
Major: Toxicology  
Dissertation: Parasitic nematode ion  
channels: Improving understanding of  
pharmacology and genetic composition

Jonathan A. Campbell *Camden, S.C.*

B.S., Clemson University;  
M.S., *Ibid.*  
Department: Animal Science  
Major: Meat Science  
Dissertation: Survival of methicillin-resistant  
*Staphylococcus aureus* during various  
thermal lethality processes used to  
manufacture pork products

Steven M. Carignan *Waterloo*

B.A., Dickinson College;  
M.A., University of Maine at Orono  
School: Education  
Major: Education (Educational Leadership)  
Dissertation: Habits-of-mind and practices of  
high-functioning public baccalaureate  
and comprehensive universities

§ Koray Bebek Celik *Ames*

Dipl., University of Bahcesehir;  
M.T., Kent State University  
Department: Electrical and Computer  
Engineering  
Major: Computer Engineering  
Dissertation: Autocalibrating vision guided  
navigation of unmanned air vehicles via  
tactical monocular cameras in GPS  
denied environments

Wen-Chieh Chang *Taipei, Taiwan*  
B.S., National Taiwan University;  
M.S., *Ibid.*  
Department: Computer Science  
Major: Computer Science  
Dissertation: Phylogeny reconciliation under  
gene tree parsimony

Hao Chen *Ankang, China*  
B.E., Xian Jiaotong University;  
M.E., *Ibid.*  
Department: Electrical and Computer  
Engineering  
Major: Electrical Engineering  
Dissertation: Advances in wind power  
generation, transmission, and simulation  
technology

Sixia Chen *Ames*  
B.A., Fudan University  
Department: Statistics  
Major: Statistics  
Dissertation: Efficient estimation in missing  
data and survey sampling problems

Michael Shui Heng Cheng *Petaling Jaya, Malaysia*  
B.S., University of Nebraska-Lincoln;  
M.S., *Ibid.*  
Department: Apparel, Educational Studies  
and Hospitality Management  
Major: Hospitality Management  
Dissertation: Graduates: Evaluation of the  
Research Chefs Association's Bachelor of  
Science in Culinology@ core  
competencies

In Soo Cho *Sacheon, South Korea*  
B.Econ., Soongsil University  
Department: Economics  
Major: Economics  
Dissertation: Four essays on risk preferences,  
entrepreneurship, earnings, occupations,  
and gender

Hsien-Chao Chou *Zhongli, Taiwan*  
B.B.A., Sun Yat-Sen University;  
M.B.A., *Ibid.*  
Department: Genetics, Development and Cell  
Biology  
Major: Bioinformatics and Computational  
Biology  
Dissertation: Local assembly and pre-mRNA  
splicing analyses by high-throughput  
sequencing data

Erik John Christian *Story City*  
B.S., Iowa State University;  
M.S., *Ibid.*  
Department: Agronomy  
Major: Crop Production and Physiology  
(Seed Science)  
Dissertation: Seed development and  
germination of *Miscanthus sinensis*

David Haoen Chuck *Taipei, Taiwan*  
B.S., Tatung University;  
M.S., Illinois Institute of Technology  
Department: Electrical and Computer  
Engineering  
Major: Computer Engineering  
Dissertation: Bandwidth and power  
management in broadband wireless  
networks

Nichelle Lea Cline *Cedar Rapids*  
B.A., University of Northern Iowa;  
B.S., St. Ambrose University;  
M.P.A., Drake University  
School: Education  
Major: Education (Educational Leadership)  
Dissertation: The experiences of  
occupational therapy clinicians as  
educators: The community college  
context

Sandra E. Cooper *North Liberty*  
B.S.N., University of Dubuque;  
M.S.N., University of Iowa  
School: Education  
Major: Education (Educational Leadership)  
Dissertation: Examining student  
achievement and curriculum in a nursing  
program at a Midwestern community  
college

Michelle L. Cushman *Ames*  
B.S., Iowa State University;  
M.S., *Ibid.*  
Department: Psychology  
Major: Psychology (Counseling Psychology)  
Dissertation: Sources of prejudice and how  
they interact

Grace Dorea da Rosa *Campo Grande, Brazil*  
Psych., Dom Bosco Catholic;  
M.S., Iowa State University  
Department: Human Development and  
Family Studies  
Major: Human Development and Family  
Studies  
Dissertation: The relationship between  
personality, life events and healthy  
longevity: A comparison of U.S. and  
Japanese centenarians

- Heather Nicole Dillman *Grinnell*  
 B.A., Central College;  
 M.S., Iowa State University  
 Department: Kinesiology  
 Major: Kinesiology (Behavioral Basis of Physical Activity)  
 Dissertation: Stability of exercise identity and healthy-eater identity over six months among rural hospital employees
- § Jinxu Ding *Ames*  
 B.Sc., Tianjin Institute of Technology;  
 M.S.E., Technical University of Denmark  
 Department: Electrical and Computer Engineering  
 Major: Computer Engineering  
 Dissertation: Policy driven capacity expansion planning of energy infrastructure: modeling and solutions using high performance computing
- Amit Vivek Diwadkar *Ames*  
 B.Tech., Indian Institute of Technology-Bombay  
 Department: Electrical and Computer Engineering  
 Major: Electrical Engineering  
 Dissertation: Analysis and synthesis methods for nonlinear network systems
- Angel NiTa Dunlap *Huntsville, Ala.*  
 B.S., Alabama A & M University;  
 M.S., *Ibid.*  
 Department: Apparel, Educational Studies and Hospitality Management  
 Major: Family and Consumer Sciences Education and Studies  
 Dissertation: The impact of a intervention program on the knowledge and behaviors of school-age children in Alabama regarding nutrition and physical activity
- Christopher Hysjulien Ebert *Bloomington, Minn.*  
 B.S., St. Olaf College  
 Department: Chemistry  
 Major: Analytical Chemistry  
 Dissertation: Fundamental and methodological investigations for the improvement of elemental analysis by inductively coupled plasma mass spectrometry
- Jesse Robert Fischer *Columbus, Neb.*  
 B.S., University of Nebraska at Lincoln;  
 M.S., Kansas State University  
 Department: Natural Resource Ecology and Management  
 Major: Fisheries Biology  
 Dissertation: Characterizing lentic fish assemblages and community-environment relationships: An evaluation of natural lakes and reservoirs in Iowa, USA
- Allison Eileen Flittner *Neeenah, Wis.*  
 B.S., University of Minnesota-Minneapolis;  
 M.A., University of St. Thomas  
 Department: Human Development and Family Studies  
 Major: Human Development and Family Studies  
 Dissertation: The family influence on obesity and self-esteem and how obesity and self-esteem influences the family interactions later in life
- Natalia Frishman *Ames*  
 Dipl., Kharkov Medical Institute;  
 M.D., *Ibid.*;  
 M.S., Iowa State University  
 Department: Sociology  
 Major: Sociology  
 Dissertation: The contribution of three social psychological theories: Fundamental cause theory, stress process model, and social cognitive theory to the understanding of health disparities — a longitudinal comparison
- Patricio A. Galdames *Santiago, Chile*  
 Ing., University of Chile;  
 M.Sc., *Ibid.*  
 M.S., Iowa State University  
 Department: Computer Science  
 Major: Computer Science  
 Dissertation: Novel techniques for location-cloaked applications
- § Anita M. Gordon *Vinton*  
 B.A., Mount Mercy College  
 M.S.W., University of Illinois-Urbana Champaign  
 School: Education  
 Major: Education (Educational Leadership)  
 Dissertation: Rational choice and moral intent in the responsible conduct of research



- †† Judson Kyle Grubbs *Ocala, Fla.*  
 B.S., Auburn University  
 Department: Animal Science  
 Major: Meat Science  
 Dissertation: Protein profile and reactive oxygen species production in mitochondria from pigs divergently selected for residual feed intake
- Yi Han *Datong, China*  
 B.E., Xi'an Jiaotong University;  
 M.E., *Ibid.*  
 Department: Aerospace Engineering  
 Major: Engineering Mechanics  
 Dissertation: Mechanics of magneto-active polymers
- § William Landon Headlee *Kadoka, S. Dak.*  
 B.S., Iowa State University  
 Department: Natural Resource Ecology and Management  
 Major: Forestry  
 Dissertation: Productivity and biometry of hybrid poplars with respect to establishment, regeneration, regional modeling, and utilization of bio-energy byproducts
- Nacú Bernardo Hernández Cantú *Monterrey, Mexico*  
 B.S., Tecnológico de Monterrey  
 Department: Chemical and Biological Engineering  
 Major: Chemical Engineering  
 Dissertation: Sustainability through blockcopolymers- novel ion exchange cathode membranes and soybean oil based thermoplastic elastomers
- Lisa Carol Hetzel *Bridgeview, Ill.*  
 B.A., Calvin College;  
 M.A., University of South Dakota  
 School: Education  
 Major: Education (Educational Leadership)  
 Dissertation: How multiple roles influence adult college women's online student experiences in a rural community college context
- Dawn A. Humburg *Humboldt*  
 B.A., Buena Vista University;  
 M.Educ., Iowa State University  
 School: Education  
 Major: Education (Educational Leadership)  
 Dissertation: Utilizing the composite financial index as strategic financial analysis for measuring financial health and student success rates among Iowa community colleges
- Constantin Jansen *Lübeck, Germany*  
 Dipl., University of Bonn  
 Department: Agronomy  
 Major: Plant Breeding  
 Dissertation: Breeding for cob traits in maize
- § Shan Jin *Shenzhen, China*  
 B.S., Zhejiang University;  
 M.S., Iowa State University  
 Department: Industrial and Manufacturing Systems Engineering  
 Major: Industrial Engineering  
 Dissertation: Electricity system expansion studies to consider uncertainties and interactions in restructured markets
- Cassandra Katherine Jones *Beulah, N. Dak.*  
 B.S., Kansas State University;  
 M.S., *Ibid.*  
 Department: Animal Science  
 Major: Nutritional Sciences  
 Dissertation: Characterizing the fallback pig
- Charles Kanobe *Kampala, Uganda*  
 B.S.Ag, Makerere University;  
 M.S., *Ibid.*  
 Department: Biochemistry, Biophysics, and Molecular Biology  
 Major: Genetics  
 Dissertation: Fatty acid changes in soybean (*Glycine max*) under soybean aphid (*Aphis glycines*) infestation and their implications on plant defense against insects
- §†† Christopher Daniel Karstens *Atlantic*  
 B.S., Iowa State University  
 Department: Geological and Atmospheric Sciences  
 Major: Meteorology  
 Dissertation: Observations and laboratory simulations of tornadoes in complex topographical regions
- Min Gyu Kim *Seoul, South Korea*  
 B.S., University of Seoul;  
 M.S., *Ibid.*  
 Department: Physics and Astronomy  
 Major: Condensed Matter Physics  
 Dissertation: Structural and magnetic properties of transition metal substituted BaFe<sub>2</sub>As<sub>2</sub> compounds studied by x-ray and neutron scattering

Kari Angela Kraemer Saint Cloud, Minn.  
B.A., College of St. Benedict;  
M.S., Iowa State University  
Department: Statistics  
Major: Statistics  
Dissertation: Condence intervals for variance components and functions of variance components in the random effects model under non-normality

Praveen Kumar Waterloo  
B.Tech., Indian Institute of Technology-Kanpur;  
M.Tech., *Ibid.*  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Dissertation: An experimental and numerical study of NO<sub>x</sub> formation mechanisms in NH<sub>3</sub>-H<sub>2</sub>-Air flames

Randall L. Levings Ames  
A.B., University of Missouri-Columbia;  
D.V.M., Iowa State University;  
M.S., *Ibid.*  
Department: Veterinary Microbiology and Preventive Medicine  
Major: Veterinary Microbiology  
Dissertation: Generation and characterization of virus-neutralizing bovine monoclonal antibodies to bovine herpesvirus 1 glycoproteins gB, gC, and gD

Jinrong Li Beijing, China  
B.A., China Foreign Affairs University;  
M.A., Beijing Foreign Studies University  
Department: English  
Major: Applied Linguistics and Technology  
Dissertation: The effects of synchronous text-based computer-mediated communication tasks on the development of L2 and academic literacy: A mixed methods study

Wei Li Zhenjiang, China  
B.Law., Yangzhou University  
Department: Genetics, Development and Cell Biology  
Major: Genetics  
Dissertation: Tassels replace upper ears l encodes a putative transcription factor that regulates maize shoot architecture by multiple pathways

Yang Li Wuhan, China  
B.E., Huazhong University of Science and Technology;  
M.S., *Ibid.*  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: Non-metallic metamaterials: modelling, design, and fabrication tolerances analysis

Yi Liang Anshan, China  
B.E., China Agricultural University;  
M.Nat.S., Chinese Academy of Sciences  
Department: Food Science and Human Nutrition  
Major: Food Science and Technology  
Dissertation: Lipid products from agriculture by-products and pyrolytic oil

§ Shihuan Liu Nanning, China  
B.S., Tsinghua University  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Dissertation: Resource allocation in wireless networks with flow level dynamics

Yi Lu Beijing, China  
B.E., Southeast University;  
M.E., Tsinghua University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: Potential drop and eddy current nondestructive evaluation problems

§ Venkatesh Mani Anthiyur, India  
B.Vet.S., Tamilnadu Veterinary and Animal Science;  
M.S., Madurai Kamaraj University  
Department: Animal Science  
Major: Toxicology  
Dissertation: Understanding intestinal lipopolysaccharide permeability and associated inflammation

Kuntal Manna Kanpur, India  
B.S., Vidyasagar University;  
M.S., Indian Institute of Technology-Kanpur  
Department: Chemistry  
Major: Organic Chemistry  
Dissertation: Transition metal complexes of oxazolinyboranes and cyclopentadienyl-bis(oxazoliny)borates: Catalysts for asymmetric olefin hydroamination and acceptorless alcohol decarbonylation

- Kendra Ann Meade *Princeton, Ind.*  
 B.S., Purdue University  
 Department: Agronomy  
 Major: Plant Breeding  
 Dissertation: Genetic dissection of canonical models of maize kernel growth and development
- †† Megan Louise Mekoli *Blaine, Minn.*  
 B.A., University of Minnesota-Morris  
 Department: Chemistry  
 Major: Analytical Chemistry  
 Dissertation: Novel biological, forensic, and historical applications of inductively coupled plasma-mass spectrometry
- Mark Alan Mogler *Alvord*  
 B.S., Iowa State University  
 Department: Animal Science  
 Major: Veterinary Microbiology  
 Dissertation: Evaluation of replicon particle vaccines for porcine reproductive and respiratory syndrome virus
- Derrick Lee Morast *Center, N. Dak.*  
 B.A., Concordia College  
 Department: Chemistry  
 Major: Analytical Chemistry  
 Dissertation: Hyphenated applications of mass spectrometry for the analysis of biological compounds
- Farah Binti Mukhtar *Kluang, Malaysia*  
 B.Ed., National University of Malaysia;  
 M.Ed., *Ibid.*  
 School: Education  
 Major: Education (Educational Leadership)  
 Dissertation: Work life balance and job satisfaction among faculty at Iowa State University
- Micheline Ngankwimi Ngaki *Kinshasa, Congo*  
 Grad., Institut Pedagogique National;  
 Lic., *Ibid.*  
 Department: Genetics, Development and Cell Biology  
 Major: Genetics  
 Dissertation: FAP genes modulate fatty acid and lipid accumulation in *Arabidopsis*
- Jin Hwan Oh *Lawrenceville, Ga.*  
 B.S., Yonsei University;  
 B.S., *Ibid.*;  
 M.S. Carnegie-Mellon University  
 Department: Civil, Construction and Environmental Engineering  
 Major: Civil Engineering (Environmental Engineering)  
 Dissertation: Performance evaluation of the pilot-scale static granular bed reactor (SGBR) for industrial wastewater treatment and biofilter treating septic tank effluent using recycled rubber particles
- Sheila Navalia Onzere *Warrensburg, Mo.*  
 B.A., Moi University;  
 M.S., Central Missouri State University  
 Department: Sociology  
 Major: Sociology  
 Dissertation: Emerging food retailers and the development of hybrid food retail institutions in Ugandan produce supply chains
- Anne-Marie Caroline Overstreet *Abingdon, Va.*  
 B.S., Virginia Polytechnic Institute and State University  
 Department: Veterinary Microbiology and Preventive Medicine  
 Major: Microbiology  
 Dissertation: Impact of antibiotic use, alternative therapies and inflammation on the intestinal microbiota
- Herbert William Pablo *Bella Vista, Ark.*  
 B.S., Vanderbilt University  
 Department: Physics and Astronomy  
 Major: Astrophysics  
 Dissertation: Formation and tidal synchronization of sdB stars in binaries: An asteroseismic investigation using *Kepler* Observations
- Pramod Kumar Pandey *Ames*  
 B.Tech., Mahatma Gandhi University;  
 M.Tech., Indian Institute of Technology-Madras;  
 M.S., Washington State University  
 Department: Agricultural and Biosystems Engineering  
 Major: Agricultural Engineering  
 Dissertation: Modeling in-stream *Escherichia coli* concentrations

- Sambit Pattnaik *Rourkela, India*  
 B.Tech., National Institute of Technology-  
 Rourkela;  
 M.Tech., Indian Institute of Technology-  
 Kanpur  
 Department: Electrical and Computer  
 Engineering  
 Major: Electrical Engineering  
 Dissertation: Photonic and plasmonic  
 structures for enhancing efficiency of  
 thin film silicon solar cells
- § Yashdeep Phanse *Indore, India*  
 B.S., Devi Ahilya University;  
 M.S., *Ibid.*  
 Department: Veterinary Microbiology and  
 Preventive Medicine  
 Major: Immunobiology  
 Dissertation: Design and evaluation of  
 “pathogen-mimicking” polyanhydride  
 delivery platforms for drug and vaccine  
 applications
- JoAnn Prusha *Van Horne*  
 B.A., University of Northern Iowa;  
 M.A., University of Iowa  
 School: Education  
 Major: Education (Educational Leadership)  
 Dissertation: Voices of high school seniors:  
 Perceptions of national honor society  
 students regarding their cognitive  
 engagement in high school
- †† Sreekanth Puttachary *Ames*  
 B.V.Sc., University of Agricultural Sciences;  
 M.V.Sc., *Ibid.*  
 Department: Biomedical Sciences  
 Major: Biomedical Sciences (Pharmacology)  
 Dissertation: Electrophysiological studies to  
 counter anthelmintic resistance: Studies  
 in somatic muscle and pharynx of *A.*  
*suum*
- Wenmin Qin *Ezhou, China*  
 B.Sc., Huazhong Agricultural University;  
 M.Eng., Huazhong University of Science and  
 Technology  
 Department: Biochemistry, Biophysics, and  
 Molecular Biology  
 Major: Biochemistry  
 Dissertation: Chemical characterization of  
 hydrocarbons and transcriptome  
 profiling to elucidate pathway(s) of  
 hydrocarbon biosynthesis in maize, pea,  
*Botryococcus braunii* and *Emiliania*  
*huxleyi*
- Eshwar Ramanan *Madras, India*  
 B.Tech., Anna University  
 Department: Biochemistry, Biophysics, and  
 Molecular Biology  
 Major: Biochemistry  
 Dissertation: Structural and biochemical  
 characterization of marburgvirus VP35  
 and its role in immune evasion
- § James Matthew Ranalli *Anaheim, Calif.*  
 B.A., University of California-Irvine;  
 M.A., University of Birmingham  
 Department: English  
 Major: Applied Linguistics and Technology  
 Dissertation: The VVT Project: A web-based  
 platform for strategy instruction and  
 research into self-regulated learning of  
 L2 vocabulary
- Mohamed Hamada Rashwan *Maadi, Egypt*  
 B.S., American University in Cairo;  
 M.S., *Ibid.*  
 Department: Civil, Construction and  
 Environmental Engineering  
 Major: Civil Engineering (Geotechnical  
 Engineering)  
 Dissertation: Characterization of Warm Mix  
 Asphalt (WMA) performance in different  
 asphalt applications
- Nathan Michael Romine *White Heath, Ill.*  
 B.S., Univ of Illinois-Urbana Champaign  
 Department: Veterinary Pathology  
 Major: Genetics (Computational Molecular  
 Biology)  
 Dissertation: Transcriptomic identification  
 and characterization of levamisole  
 resistance associated genes in the swine  
 nodular worm *Oesophagostomum*  
*dentatum*
- †† Selena M. Russell *Oak Park, Ill.*  
 B.S., De Paul University;  
 M.S., *Ibid.*  
 Department: Chemistry  
 Major: Physical Chemistry  
 Dissertation: Mass transport and chalcogen-  
 silver interactions on silver surfaces
- Ramzi Rajeh Ahmad Saifan *Amman, Jordan*  
 B.S., Jordan University of Science and  
 Technology;  
 M.S., *Ibid.*  
 Department: Electrical and Computer  
 Engineering  
 Major: Computer Engineering  
 Dissertation: Sensing strategies in cognitive  
 radio networks: optimization and  
 ramifications on routing

- Robert G. Schaut *Des Moines*  
 B.S., Drake University  
 Department: Veterinary Microbiology and Preventive Medicine  
 Major: Immunobiology  
 Dissertation: Examining innate responses to *Flaviviridae* infection: How myeloid cells respond to and are modulated by bovine viral diarrhea virus *in vivo* and *in vitro*
- Kristian Schmidt *Unna, Germany*  
 V.Dipl., Universitaet Dortmund;  
 M.S., Iowa State University  
 Department: Statistics  
 Major: Statistics  
 Dissertation: Modeling crash frequency data
- § Tonia Sue Schwartz *Houghton*  
 B.S., Iowa State University;  
 M.S., University of South Florida  
 Department: Ecology, Evolution and Organismal Biology  
 Major: Genetics  
 Dissertation: The evolution of stress response and complex life history traits in natural populations of garter snakes
- Lizandro Damián Solano Quinde *Cuenca, Ecuador*  
 Ingen., University of Cuenca;  
 M.S., Iowa State University  
 Department: Electrical and Computer Engineering  
 Major: Computer Engineering  
 Dissertation: Parallelization & checkpointing of GPU applications through program transformation
- Jordan Dustin Spear *Algona*  
 B.S., Iowa State University;  
 M.S., Iowa State University  
 Department: Agronomy  
 Major: Plant Breeding  
 Dissertation: Agronomic, seed traits and oleate stability of soybean lines containing the high-oleate transgene DP-305423-1 and the molecular characterization of the genomic region flanking the high-oleate transgene
- LaJoy Renee Spears *Ames*  
 B.S., University of Tennessee-Knoxville;  
 M.S., *Ibid.*  
 Department: Agricultural Education and Studies  
 Major: Agricultural Education  
 Dissertation: Social presence, social interaction, collaborative learning, and satisfaction in online and face-to-face courses
- Krishnakumar Sridharan *Chennai, India*  
 B.Tech., Sastra University  
 Department: Genetics, Development and Cell Biology  
 Major: Genetics  
 Dissertation: Computational analyses to identify and study cis-regulatory regions in eukaryotes
- § Melissa Renee Sturm-Smith *Des Moines*  
 B.A., College of St. Benedict;  
 M.A., University of Nebraska-Lincoln  
 School: Education  
 Major: Education (Educational Leadership)  
 Dissertation: Faculty perspectives on facilitating holistic learning for engaged citizenship
- Xiaoxing Sun *Yangzhou, China*  
 B.S., Nanjing University;  
 M.S., Iowa State University  
 Department: Chemistry  
 Major: Chemistry  
 Dissertation: Mesoporous silica nanoparticles for applications in drug delivery and catalysis
- Alfred Taylor Sr. *Morehead City, N.C.*  
 B.S., Park University-Missouri;  
 M.S., Baker University-Kansas  
 Department: Computer Science  
 Major: Human Computer Interaction  
 Dissertation: Improving web accessibility for older adults based on error detection strategies
- Rachel Maureen Tell *Dayton*  
 B.S., University of Iowa;  
 D.V.M., Iowa State University  
 Department: Biomedical Sciences  
 Major: Immunobiology  
 Dissertation: Rac2 in the zebrafish (*Danio rerio*) with a focus on neutrophils
- Alexander Nicholas Thaler *Urbana, Ill.*  
 B.A., Columbia University-CUNY  
 Department: Physics and Astronomy  
 Major: Condensed Matter Physics  
 Dissertation: Structural and magnetic properties and superconductivity in  $Ba(Fe_{1-x}TM_x)_2As_2$  (TM=Ru, Mn, Cr/Co, Mn/Co) single crystals

- Christopher Joseph Tourek      *Plymouth, Minn.*  
 B.S., Iowa State University  
 Department: Mechanical Engineering  
 Major: Mechanical Engineering  
 Dissertation: Application of atom probe tomography to the investigation of atomic force microscope tips and interfacial phenomena
- Christopher Paul Trampel      *Ames*  
 B.S., Iowa State University  
 Department: Electrical and Computer Engineering  
 Major: Electrical Engineering  
 Dissertation: Electromagnetic scattering in a discrete basis
- †† Allan Francis Trapp II      *Washburn, Wis.*  
 B.A., St. Olaf College;  
 M.S., Iowa State University  
 Department: Statistics  
 Major: Statistics  
 Dissertation: Applications of non-parametric kernel smoothing estimators in Monte Carlo risk assessments
- Janea Lynne Triplett      *Ardmore, Okla.*  
 B.L.S., Iowa State University;  
 M.S., *Ibid.*;  
 M.B.A., *Ibid.*  
 Department: Supply Chain and Information Systems  
 Major: Human Computer Interaction  
 Dissertation: Mining for meaning: The use of unstructured textual data in information systems research
- Jenq-Dar Tsay      *Taipei, Taiwan*  
 B.Sc., National Central University;  
 M.S., Iowa State University  
 Department: Geological and Atmospheric Sciences  
 Major: Meteorology  
 Dissertation: Interannual variability of the climate system
- Jolita Uthe      *Ames*  
 Vet. Surg., Lithuanian Veterinary Academy;  
 M.S., Iowa State University  
 Department: Animal Science  
 Major: Genetics  
 Dissertation: Analyzing factors involved in genetic variation of porcine response to *Salmonella*
- Brian L. Vander Ley      *Corsica, S. Dak.*  
 B.A., Dordt College;  
 D.V.M., Iowa State University  
 Department: Veterinary Microbiology and Preventive Medicine  
 Major: Veterinary Microbiology  
 Dissertation: Investigation of surveillance techniques to detect Bovine viral diarrhea virus in cattle
- Varun Vikas      *Pune, India*  
 B.Tech., Indian Institute of Technology-Kharagpur  
 Department: Aerospace Engineering  
 Major: Aerospace Engineering  
 Dissertation: Quadrature-based moment methods: High-order realizable schemes and multi-physics applications
- Chuang Wang      *Changsha, China*  
 B.Econ., Xian Jiaotong University;  
 M.Sc., *Ibid.*  
 Department: Computer Science  
 Major: Computer Science  
 Dissertation: Privacy and security protection in cloud integrated sensor networks
- Tong Wang      *Linqu, China*  
 B.S., Shandong Institute of Light Industry;  
 M.S., Tsinghua University  
 Department: Economics  
 Major: Economics  
 Dissertation: Essays on the economics of disease, with particular reference to livestock
- § Aaron Carl West      *Moline, Ill.*  
 A.B., Augustana College  
 Department: Chemistry  
 Major: Physical Chemistry  
 Dissertation: Too continuous to continue? Multiple electronic surfaces and derivatives
- § Pan Xu      *Xiaogan, China*  
 B.S., Xidian University;  
 M.S., Zhejiang University  
 Department: Industrial and Manufacturing Systems Engineering  
 Major: Industrial Engineering  
 Dissertation: Three essays on bilevel optimization algorithms and applications

Xing Xu *Hangzhou, China*  
B.S., Zhejiang University  
Department: Agronomy  
Major: Plant Breeding  
Dissertation: Strategies for recombinant protein production in maize

Zheng Xu *Ames*  
B.Econ., Fudan University;  
M.S., Illinois State University  
Departments: Economics and Statistics  
Majors: Economics and Statistics  
Dissertation: Essays on GMO effects on crop yields, the effects of pricing errors on implied volatilities and smoothing for seasonal time series with a long cycle

§ Huaxun Ye *Chengdu, China*  
B.S., Sichuan University;  
M.S., *Ibid.*  
Department: Genetics, Development and Cell Biology  
Major: Genetics  
Dissertation: Essays on GMO effects on crop yields, the effects of pricing errors on implied volatilities and smoothing for seasonal time series with a long cycle

Kai Ying *Shanghai, China*  
B.E., East China University of Science and Technology  
Department: Genetics, Development and Cell Biology  
Major: Genetics (Computational Molecular Biology)  
Dissertation: Structural variation in the maize genome

§ Meilin Yu *Ames*  
B.E., Beihang University  
Department: Aerospace Engineering  
Major: Aerospace Engineering  
Dissertation: Numerical and experimental investigations on unsteady aerodynamics of flapping wings

†† Chad David Yuen *Honolulu, Hawaii*  
B.S., Iowa State University  
Department: Chemistry  
Major: Physical Chemistry  
Dissertation: Surfaces of intermetallics: Quasicrystals and beyond

Xia Zhao *Tai'An, China*  
B.Med., Medical College of Qingdao University;  
M.Med., Guangdong Medical College  
M.S., Iowa State University  
Department: Animal Science  
Major: Genetics  
Dissertation: Gene mapping of monogenic disorders and complex diseases via genome wide association studies

Yong Zhu *Hengyang, China*  
B.S., Huazhong University of Science and Technology  
Department: Food Science and Human Nutrition  
Major: Nutritional Sciences  
Dissertation: Effect of ingestive behavior on appetite in young and older adults

Roger Sai Zoh *Abidjan, Ivory Coast*  
B.S., Southern University-New Orleans;  
M.S., Iowa State University  
Department: Statistics  
Major: Statistics  
Dissertation: Using the negative log-gamma distribution for Bayesian system reliability assessment

## MASTER OF ACCOUNTING

---

Erin Colleen Donnelly B.S., Iowa State University Department: Accounting Major: Accounting	Clinton	Margaret E. Schlerman B.A., Central College Department: Accounting Major: Accounting	Boone
Courtney Nicole Ekeler B.S., Iowa State University Department: Accounting Major: Accounting	Creston	Laura Christine Twedt B.S., Iowa State University Department: Accounting Major: Accounting	Larchwood
Stephen W. Janicek B.S., Iowa State University Department: Accounting Major: Accounting	Eagan, Minn.	Danlei Wang B.S., Iowa State University Department: Accounting Major: Accounting	Tianjin, China
Benjamin Michael Lortz B.S., Iowa State University Department: Accounting Major: Accounting	Grimes	Yi Wang B.S., Iowa State University Department: Accounting Major: Accounting	Shenzhen, China
Mychelle Lowelle Richter B.S., Iowa State University Department: Accounting Major: Accounting	Lime Springs	Si Wu B.S., Iowa State University Department: Accounting Major: Accounting	Zhengzhou, China

## MASTER OF AGRICULTURE

---

Katrina Marie Pille B.S., Iowa State University Department: Professional Agriculture Major: Professional Agriculture	Stanhope
---	----------

## MASTER OF ARTS

---

Lana Al Mudhaffar B.A., University of Basrah Department: English Major: Teaching English as a Second Language/Applied Linguistics (English for Specific Purposes) Thesis: The situational analysis of the language needs at the BP language center in Basra, Iraq	Ames	Maria Elizabeth Howe B.A., Regis University; J.D., University of Denver Department: History Major: History Thesis: Reclaiming the Little Sioux River Valley: A history of drainage along the Monona-Harrison Ditch in western Iowa	Ridgway, Colo.
Wafa Abdo Al Sharaeai B.Ach., Hadramout University Department: English Major: Teaching English as a Second Language/Applied Linguistics (Literacy) Thesis: Students' perspectives on the Use of L1 in English classrooms	Ames	Jiaxu Liu B.A., Guangdong University of Foreign Studies Department: Political Science Major: Political Science Thesis: Western impact on Africa's economic development and the progress of democracy	Jinan, China



Ireng Maulana                      *Pontianak, Indonesia*  
Sarjana, University of Tanjungpura  
Department: Political Science  
Major: Political Science  
Thesis: Heavy metal music and the outcomes  
of wars: A content analysis

Comanchette Rene McBee              *Albert Lea, Minn.*  
B.A., Drake University  
Department: English  
Major: English (Literature)  
Thesis: Revoking Victorian silences:  
Redemption of fallen women through  
speech in Elizabeth Gaskell's fiction

Drake Elizabeth Pillsbury              *Las Cruces, N. Mex.*  
B.A., College of the Atlantic  
Department: Interdisciplinary Graduate  
Studies  
Major: Interdisciplinary Graduate Studies  
(Arts and Humanities)

Janet Sue Roberts                      *Eldora*  
B.S., Iowa State University  
Department: English  
Major: Rhetoric, Composition and  
Professional Communication

Kaitlin Loraine Romsey                      *Cambridge*  
B.A., Iowa State University  
Department: Interdisciplinary Graduate  
Studies  
Major: Interdisciplinary Graduate Studies

Matthew Paul Schwartzkopf              *Edwardsville, Ill.*  
B.A., Drake University  
Department: Political Science  
Major: Political Science  
Thesis: Are you better off than you were  
before the disaster: Examining how  
natural disasters impact growth rates

## MASTER OF BUSINESS ADMINISTRATION

---

Adam Philip Christiansen                      *Omaha, Neb.*  
B.S., Iowa State University  
Department: Business Administration  
Major: Business Administration

Lei Huang                                      *Zhangjiagang, China*  
B.S., Iowa State University  
Department: Business Administration  
Major: Business Administration

Hailey Palmer Postma                      *West Des Moines*  
B.S., Iowa State University;  
B.S., *Ibid.*  
Department: Business Administration  
Major: Business Administration

Rama S. C. Rangavajhula                      *Urbandale*  
B.E., Canberra University;  
M.I.T., *Ibid.*  
Department: Business Administration  
Major: Business Administration

Jacob Lee Reichling                              *Ankeny*  
B.S., Iowa State University  
Department: Business Administration  
Major: Business Administration (Finance)

Chandni Saxena                                      *Delhi, India*  
B.Tech., Uttar Pradesh Technical University  
Department: Business Administration  
Major: Business Administration (Marketing)

Amanda Christine Speese                      *Marshalltown*  
B.A., Buena Vista University  
Department: Business Administration  
Major: Business Administration

## MASTER OF COMMUNITY AND REGIONAL PLANNING

---

John Cotton Dean                                      *Spokane, Wash.*  
B.S., Iowa State University  
Department: Community and Regional  
Planning  
Major: Community and Regional Planning  
Thesis: The Iowa Food Policy Council: A  
case study

Frank Albert Dunn                                      *Des Moines*  
B.A., University of Iowa  
Department: Community and Regional  
Planning  
Major: Community and Regional Planning  
Thesis: A community capitals approach to  
assessing immigrant access to  
community resources within a  
meatpacking community

Elizabeth Irene Ford *O'Fallon, Ill.*  
 B.A., Augustana College  
 Department: Community and Regional  
 Planning  
 Major: Community and Regional Planning

## MASTER OF EDUCATION

---

Mary Jo Beimer B.S., Iowa State University; M.A., Viterbo College School: Education Major: Education	<i>Pleasant Hill</i>	Terryn Mae Mohni B.S., Iowa State University School: Education Major: Education (Educational Administration)	<i>Hartley</i>
Lucinda Marie Boyd B.Music, Iowa State University School: Education Major: Education (Educational Administration)	<i>Humboldt</i>	Cynthia Rilaine Phillips B.A., Wartburg College; M.A.E., Briar Cliff University School: Education Major: Education (Educational Administration)	<i>Breda</i>
Joe Erickson B.A., Buena Vista University School: Education Major: Education (Educational Administration)	<i>Red Oak</i>	Rhonda Renee Raskie B.A., Graceland College; M.A.T., Morningside College School: Education Major: Education (Educational Administration)	<i>Exline</i>
Craig Michael Fandel B.S., University of Texas at Tyler School: Education Major: Education (Higher Education)	<i>Estherville</i>	Robert J. Schmeckpeper B.S., Bellevue University School: Education Major: Education (Higer Education)	<i>Sioux City</i>
Karlton J. Hector B.A., Northwestern College School: Education Major: Education (Educational Administration)	<i>Le Mars</i>	Stefan Andrew Shirley B.L.S., Iowa State University School: Education Major: Education	<i>Ames</i>
Kasey Charles Krager B.A., Buena Vista University School: Education Major: Education (Educational Administration)	<i>Peterson</i>	Gabriel Tardive B.S., University of Nebraska at Lincoln School: Education Major: Education (Educational Administration)	<i>Le Mars</i>
Elisabeth Frances Lee B.S., Iowa State University School: Education Major: Education	<i>Downingtown, Pa.</i>	Cody Landon Tibbetts B.A., Buena Vista University School: Education Major: Education (Educational Administration)	<i>Peterson</i>
Julie Lynn McKibben B.S.Ed., University of Missouri-St. Louis School: Education Major: Education (Educational Administration)	<i>Johnston</i>	Seth Alan Vander Tuig B.L.S., Iowa State University School: Education Major: Education (Higer Education)	<i>Cedar Rapids</i>
John J. Miller B.A., Westmar University School: Education Major: Education (Educational Administration)	<i>Aurelia</i>	Jessica L. VanLoy B.S., Dakota State University School: Education Major: Education (Higer Education)	<i>Wabasso, Minn.</i>

# MASTER OF ENGINEERING

---

Brian David Birkenholz *Cedar Falls*  
 B.S., Minnesota State University-Mankato  
 Department: Mechanical Engineering  
 Major: Mechanical Engineering

Andrew James Burkhardt *Cedar Rapids*  
 B.S., Iowa State University  
 Department: Industrial and Manufacturing  
 Systems Engineering  
 Major: Systems Engineering

Oscar Julian Echavarria Omana *Ames*  
 Ing., Universidad de Los Andes  
 Department: Civil, Construction and  
 Environmental Engineering  
 Major: Civil Engineering (Geotechnical  
 Engineering)

Jeremiah Brandon Gayle *Huntsville, Ala.*  
 B.S., Arizona State University  
 Department: Industrial and Manufacturing  
 Systems Engineering  
 Major: Systems Engineering

Patrick A. Grandt *St. Peter, Ill.*  
 B.S., Southeast Missouri State University  
 Department: Industrial and Manufacturing  
 Systems Engineering  
 Major: Systems Engineering

Ryan David Huechteman *Benttendorf*  
 B.S., Iowa State University  
 Department: Aerospace Engineering  
 Major: Aerospace Engineering

Tasneem Huseini Jawadwala *Mumbai, India*  
 B.E., University of Mumbai  
 Department: Electrical and Computer  
 Engineering  
 Major: Computer Engineering

Brian Joseph Kilby *Davenport*  
 B.A., Coe College  
 Departments: Mechanical Engineering and  
 Industrial and Manufacturing Systems  
 Engineering  
 Majors: Mechanical Engineering and Systems  
 Engineering

Oscar Luiz Madalena *Jau, Brazil*  
 Eng. Mec., Universidade de Sao Paulo  
 Department: Industrial and Manufacturing  
 Systems Engineering  
 Major: Systems Engineering

Jacob Ian Maples *Cedar Rapids*  
 B.S., Letourneau University  
 Department: Electrical and Computer  
 Engineering  
 Major: Computer Engineering

Joseph B. McCabe *Oak Ridge, Tenn.*  
 B.S., Minnesota State University – Mankato;  
 M.B.A., Union University  
 Department: Electrical and Computer  
 Engineering  
 Major: Electrical Engineering

Joseph B. McCabe *Oak Ridge, Tenn.*  
 B.S., Minnesota State University – Mankato;  
 M.B.A., Union University  
 Department: Mechanical Engineering  
 Major: Mechanical Engineering

Tonatiuh Mendoza *Cedar Rapids*  
 B.S., University of Texas at El Paso  
 Department: Electrical and Computer  
 Engineering  
 Major: Computer Engineering

Gabriel Negrea *Arden, N.C.*  
 B.A., Brevard College  
 Department: Industrial and Manufacturing  
 Systems Engineering  
 Major: Systems Engineering

Andrew Kyle Niemann *Houston, Tex.*  
 B.S., Texas A & M University  
 Department: Industrial and Manufacturing  
 Systems Engineering  
 Major: Systems Engineering

Nicholas Lyle Phillips *Chesterfield, Mo.*  
 B.S., University of Missouri-St. Louis;  
 B.S.E.E., *Ibid.*  
 Department: Electrical and Computer  
 Engineering  
 Major: Electrical Engineering

Kirthi Ravikanti *Hyderabad, India*  
 B.E., Osmania University  
 Department: Civil, Construction and  
 Environmental Engineering  
 Major: Civil Engineering (Structural  
 Engineering)

David A. Selvaraj *Sterling Heights, Mich.*  
 B.S., University of Florida  
 Department: Industrial and Manufacturing  
 Systems Engineering  
 Major: Systems Engineering

Ling-Uei Sung-Chu                      *West Des Moines*  
B.S., Iowa State University  
Department: Industrial and Manufacturing  
Systems Engineering  
Major: Systems Engineering

Sethu Bharath Viswanathan              *Thirupporur, India*  
B.E., Anna University  
Department: Industrial and Manufacturing  
Systems Engineering  
Major: Industrial Engineering

Liang Tian                                      *Yingcheng, China*  
B.E., Central South University  
Department: Aerospace Engineering  
Major: Engineering Mechanics\

Rachel Lynn Watson                      *Arlington Heights, Ill.*  
B.S., University of Arizona  
Department: Electrical and Computer  
Engineering  
Majors: Information Assurance and  
Computer Engineering

## MASTER OF FAMILY AND CONSUMER SCIENCES

---

Rae Lynne Barrett                              *Pomeroy*  
B.S., Iowa State University  
Department: Human Development and  
Family Studies  
Major: Family and Consumer Sciences  
(Human Development and Family  
Studies)

Michaela Lynn Trank                              *Roscoe, Ill.*  
B.Arch., Iowa State University  
Department: Family and Consumer Sciences  
Major: Family and Consumer Sciences  
(Gerontology)

Laura Michele Harris                              *Murphy, N.C.*  
B.S., Park University  
Department: Family and Consumer Sciences  
Major: Family and Consumer Sciences  
(Gerontology)

Shenwan Wang                                      *Shanghai, China*  
B.E., Donghua University  
Department: Apparel, Educational Studies  
and Hospitality Management  
Major: Family and Consumer Sciences  
(Apparel, Merchandising, and Design)

Terry J. Hornbuckle                              *Newton*  
B.S., University of Nebraska-Omaha  
Department: Family and Consumer Sciences  
Major: Family and Consumer Sciences  
(Gerontology)

Michelle Marie White                              *Plainfield*  
B.S., Iowa State University  
Department: Family and Consumer Sciences  
Major: Family and Consumer Sciences  
(Gerontology)

Sarah Ellen Merrifield                              *Charles City*  
B.S., Iowa State University  
Department: Family and Consumer Sciences  
Major: Family and Consumer Sciences

Curt Thomas Young                              *Easton, Pa.*  
B.S., Georgia Institute of Technology  
Department: Family and Consumer Sciences  
Major: Family and Consumer Sciences  
(Family Financial Planning)

Lindsay Marie Patterson                              *Cedar Rapids*  
B.A., University of Northern Iowa  
Department: Family and Consumer Sciences  
Major: Family and Consumer Sciences  
(Gerontology)

## MASTER OF FINE ARTS

---

Clifford James Gentry                              *Ollie*  
B.A., University of Iowa;  
M.A., Iowa State University  
Department: Art and Design  
Major: Graphic Design  
Thesis: Maps of routes to destinations and  
their utility for direction giving

§ Janis E. Rodgers                              *West Milford, N.J.*  
B.S., Rutgers State University-Douglass  
College  
Department: English  
Major: Creative Writing and Environment  
Thesis: The lightning came closer

Yun Wang *Dalian, China*  
 B.A., Sun Yat-Sen University  
 Department: Art and Design  
 Major: Graphic Design  
 Thesis: Designing restaurant digital menus to  
 enhance user experience

## MASTER OF PUBLIC ADMINISTRATION

---

Benjamin Clayton Barnhart *Story City*  
 B.S., Iowa State University  
 Department: Political Science  
 Major: Public Administration

William C. Hendrickson *Winterset*  
 B.A., University of Iowa  
 Department: Political Science  
 Major: Public Administration

Karla Jean Bromwell *Des Moines*  
 B.A., Simpson College  
 Department: Political Science  
 Major: Public Administration

John M. Mazzello *Ames*  
 B.A., University of Rochester  
 Department: Political Science  
 Major: Public Administration

Jeffrey Alan Fletcher *Eden Prairie, Minn.*  
 B.A., Winona State University  
 Department: Political Science  
 Major: Public Administration

Bonnie S. Whalen *Pilot Mound*  
 B.B.A., Iowa State University  
 Department: Political Science  
 Major: Public Administration

## MASTER OF SCHOOL MATHEMATICS

---

Melissa Ann Allman *Ames*  
 B.S., Iowa State University;  
 M.A.T., Drake University  
 Department: Mathematics  
 Major: School Mathematics

Shelby Lynn Schmidt *Clinton*  
 B.S., Iowa State University  
 Department: Mathematics  
 Major: School Mathematics

Adam Charles Paulson *Ogden*  
 B.S., Iowa State University  
 Department: Mathematics  
 Major: School Mathematics

## MASTER OF SCIENCE

---

Jessica Lea Anderson *Bangor, Wis.*  
 B.S., University of Wisconsin-River Falls  
 Department: Agricultural Education and  
 Studies  
 Major: Agricultural Education

Justin Charles Banach *Cottage Grove, Minn.*  
 B.S., University of Wisconsin-Madison  
 Department: Food Science and Human  
 Nutrition  
 Major: Food Science and Technology  
 Thesis: Modification of milk protein  
 concentrate and applicability in high-  
 protein nutrition bars

Yang Bai *Baoding, China*  
 B.S., Shanghai University of Sport  
 Department: Kinesiology  
 Major: Kinesiology (Behavioral Aspects of  
 Physical Activity)  
 Thesis: Measuring general activity levels in  
 children and adolescents using self-  
 report: youth activity profile

Sudhanya Banerjee *Kolkata, India*  
 B.E., Jadavpur University  
 Department: Mechanical Engineering  
 Major: Mechanical Engineering  
 Thesis: Technoeconomic analysis of  
 biorefinery based on multistep kinetics  
 and integration of geothermal energy

- Suganya Baskaran Ames  
 B.E., Anna University;  
 B.Tech., *Ibid.*  
 Department: Computer Science  
 Major: Computer Science  
 Thesis: A rapid deployment model for VGI projects in mobile field data collection
- Zachary Robert Batchelder Las Vegas, Nev.  
 B.S., Iowa State University  
 Department: Psychology  
 Major: Psychology  
 Thesis: Compensation's effect on risk perception in behavioral genetic research
- § Theodore David Bechtum Riceville  
 B.S., Iowa State University  
 Department: Civil, Construction and Environmental Engineering  
 Major: Civil Engineering (Geotechnical Engineering)  
 Thesis: Automation and further development of the borehole shear test
- Raquel Botello-Zamarron Marshalltown  
 B.A., Iowa State University  
 Department: Psychology  
 Major: Psychology  
 Thesis: Bicultural competence and education among Latino
- Shannon Noel Box Cherry Valley, Ill.  
 B.S., University of Illinois-Urbana Champaign  
 Department: Food Science and Human Nutrition  
 Major: Food Science and Technology
- Colleen Marie Campbell West Liberty  
 B.S., St. Ambrose University  
 Department: Kinesiology  
 Major: Kinesiology (Behavioral Aspects of Physical Activity)  
 Thesis: Methods of physical activity assessment in older adults
- Amanda Marie Carlson Harrisburg, S. Dak.  
 B.S., Purdue University  
 Department: Veterinary Diagnostic and Production Animal Medicine  
 Major: Veterinary Preventive Medicine
- Debkanta Chakraborty Durgapur, India  
 B.E., National Institute of Technology-Durgapur  
 Department: Biochemistry, Biophysics, and Molecular Biology  
 Major: Bioinformatics and Computational Biology  
 Thesis: Immunoglobulin motions and antigen binding effects examined by elastic network models
- Yingfei Chen Shanghai, China  
 B.S., Shanghai Jiaotong University  
 Department: Chemical and Biological Engineering  
 Major: Chemical Engineering  
 Thesis: Structural classification and properties of ketoacyl synthases and biotin-dependent carboxylases
- Wayne Alan Chittick Bennett  
 B.S., Iowa State University  
 Department: Veterinary Diagnostic and Production Animal Medicine  
 Major: Veterinary Preventive Medicine  
 Thesis: Optimizing molecular detection and sequencing of Porcine Reproductive and Respiratory Syndrome virus in clinical oral fluid specimens
- Kelly Ann Clime Urbandale  
 B.S., University of New Hampshire  
 Department: Agricultural Education and Studies  
 Major: Agricultural Education
- Dennis Eugene Culver Atlantic  
 B.S., Iowa State University  
 School: Education  
 Major: Education (Curriculum and Instructional Technology)  
 Thesis: A qualitative assessment of preservice elementary teachers' formative perceptions regarding engineering and K-12 engineering education
- Alexandria Diane Davenport Tampa, Fla.  
 B.A., Iowa State University  
 B.L.S. *Ibid.*;  
 B.A., *Ibid.*  
 Department: Sociology  
 Major: Sociology  
 Thesis: Does sex still sell? Comparing sexuality in advertising in men's and gay men's magazines
- John Cotton Dean Spokane, Wash.  
 B.S., Iowa State University  
 Department: Community and Regional Planning  
 Major: Sustainable Agriculture  
 Thesis: The Iowa Food Policy Council: A case study
- Rui Ding Shanghai, China  
 B.E., Donghua University  
 Department: Materials Science and Engineering  
 Major: Materials Science and Engineering  
 Thesis: ROMP-based thermosetting polymers from modified castor oil with various cross-linking agents

Yi Du *Zhengzhou, China*  
B.A., California State University-Bakersfield  
Department: Psychology  
Major: Psychology  
Thesis: Acculturation, social connectedness,  
and subjective well-being among Chinese  
international students: A test of Berry's  
acculturation framework

Daniel Dean Dvorak *Humboldt*  
B.S., Iowa State University  
Department: Aerospace Engineering  
Major: Aerospace Engineering  
Thesis: An experimental investigation on the  
spray flow exhausted from a co-swirling  
air-blast nozzle

Laura Denise Ekstrand *Cedar Falls*  
B.S., Iowa State University  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Thesis: Virtual tool mark generation for  
efficient striation analysis in forensic  
science

Andreea Luisa Erciulescu *Dragasani, Romania*  
B.S., Colorado State University  
Department: Statistics  
Major: Statistics

Daniel Thomas Erickson *Harlan*  
B.S., University of Oregon  
Department: Civil, Construction and  
Environmental Engineering  
Major: Biorenewable Resources and  
Technology  
Thesis: Pilot-scale submersed cultivation of  
*R. microspores* var. *oligosporus* in thin  
stillage, a dry-grind corn-to-ethanol co-  
product

Rachel Dyan Fahrenholtz *Plymouth, Minn.*  
B.S., University of Colorado-Boulder  
Department: Statistics  
Major: Statistics

Andrew Alexander Foudree *Ankeny*  
B.S., University of Minnesota-Minneapolis  
Department: Genetics, Development and Cell  
Biology  
Major: Plant Biology  
Thesis: A study of chloroplast biogenesis  
within variegated mutants of *Arabidopsis*

Andrew Steven Frana *Calmar*  
B.S., Iowa State University  
Departments: Agricultural and Biosystems  
Engineering and Civil and Construction  
Engineering  
Majors: Agricultural Engineering  
(Environmental Stewardship  
Engineering) and Civil Engineering  
(Environmental Engineering)  
Thesis: Applicability of MIKE SHE to  
simulate hydrology in heavily tile  
drained agricultural land and effects of  
drainage characteristics on hydrology

Paul N. Frater *Algona, Wis.*  
B.S., University of Wisconsin-Stevens Point  
Department: Ecology, Evolution and  
Organismal Biology  
Major: Ecology and Evolutionary Biology  
Thesis: Factors affecting mycorrhizal  
colonization in *Schizachyrium scoparium*

Jason L. Garder *Omaha, Neb.*  
B.S., South Dakota State University  
Department: Civil, Construction and  
Environmental Engineering  
Major: Civil Engineering (Environmental  
Engineering)  
Thesis: Occurrence and movement of total  
and tylosin-resistant enterococci, *erm*  
genes and tylosin in tile-drained  
agricultural fields receiving swine  
manure application

Sara Jane Goemaat *Belmond*  
B.S., Iowa State University  
Department: Agricultural Education and  
Studies  
Major: Agricultural Education  
Thesis: Teacher perceptions of the  
educational goals of the Education and  
Resiliency Through Horticulture  
program

João Carlos Gomes Neto *Ames*  
Med. Vet., Federal University of Lavras  
Department: Veterinary Microbiology and  
Preventive Medicine  
Major: Veterinary Microbiology  
Thesis: Diagnostic and field investigations in  
*Mycoplasma hyosynoviae* and *Mycoplasma*  
*hyorhinis*

Christopher Alexander Gonwa-Reeves  
*Brownsdale, Minn.*  
B.A., Cornell College  
Department: Statistics  
Major: Statistics

Paul Thomas Gospodarczyk  
*Chicago, Ill.*  
B.S., Missouri State University  
Department: Agricultural Education and  
Studies  
Major: Agricultural Education

Enruo Guo  
*Ames*  
B.S., Beijing Normal University;  
M.S., Iowa State University  
Department: Computer Science  
Major: Computer Engineering  
Thesis: A framework for Java-based client  
server connectivity for XML

Fangyu Guo  
*Lanzhou, China*  
B.S., Iowa State University  
Department: Civil, Construction and  
Environmental Engineering  
Major: Civil Engineering (Construction  
Engineering and Management)  
Thesis: Using soybean oil soapstock for  
stabilizing granular shoulders

Amanda Jean Harris  
*Spencer*  
B.S., Iowa State University  
Department: Animal Science  
Major: Animal Science  
Thesis: Defining physiological differences  
between gilts divergently selected for  
residual feed intake

Christopher Cody Hejlik  
*Altoona*  
B.A., Simpson College  
Department: Agronomy  
Major: Crop Production and Physiology  
Thesis: The assessment of non-pathogenic  
related effects of the seed treatment  
Stamina on germinating maize under  
cold stress

Guillermo Hernandez  
*Aguadilla, Puerto Rico*  
B.S., Iowa State University  
Department: Psychology  
Major: Human Computer Interaction

Dieu Anh Ho Dac  
*Ho Chi Minh, Vietnam*  
B.Comm., Rmit International University  
Department: Apparel, Educational Studies  
and Hospitality Management  
Major: Hospitality Management  
Thesis: How are managers utilizing the  
training evaluation tools available to  
them?

Chan-Ching Hsu  
*Taipei County, Taiwan*  
B.S., Tatung University  
Department: Electrical and Computer  
Engineering  
Major: Computer Engineering  
Thesis: Optimizing spectrum-energy  
efficiency in wireless networks

Tylor Stephen Husske  
*Maxwell*  
B.S., Iowa State University  
Department: Mechanical Engineering  
Major: Human Computer Interaction

Eui-Seok Hwang  
*Anyang, South Korea*  
B.A., Sungkyunkwan University;  
B.A., *Ibid.*  
Department: Sociology  
Major: Sociology  
Thesis: Being a "good daddy": Exploring the  
stability of paternal identity

Xiaoyu Jiang  
*Nanning, China*  
B.Law, Communication University of China  
Department: Sociology  
Major: Sociology  
Thesis: Chinese international student's  
decision making and attitudes towards  
studying in the United States

Alex Edwin Johnson  
*Creston*  
B.S., Iowa State University  
Department: Civil, Construction and  
Environmental Engineering  
Major: Civil Engineering (Geotechnical  
Engineering)  
Thesis: Freeze-thaw performance of  
pavement foundation materials

Andrea D. Jones  
*Rosamond, Calif.*  
B.S., California State University-Fresno  
Department: Agricultural Education and  
Studies  
Major: Agricultural Education

Juhyon Kang  
*Seoul, South Korea*  
B.S., Seoul National University  
Department: Food Science and Human  
Nutrition  
Majors: Food Science and Technology and  
Biorenewable Resources and Technology  
Thesis: Mitigation of ammonia gas from  
animal house using microalgae

Xiaohan Kang  
*Xi'An, China*  
B.E., Tsinghua University  
Department: Electrical and Computer  
Engineering  
Major: Electrical Engineering



- Oliva Kar *Ames*  
 B.Tech., West Bengal University of  
 Technology  
 Department: Computer Science  
 Majors: Computer Science and Human  
 Computer Interaction  
 Thesis: Data driven prognosis: A multi-scale  
 and multi-physics approach
- †† Zachary Aaron Keninger *Newton*  
 B.S., Iowa State University  
 Department: Natural Resource Ecology and  
 Management  
 Major: Forestry  
 Thesis: Assessing land cover map accuracy  
 and performance of hydrological models  
 for small stream catchments using GIS
- Skylar Thomas Knickerbocker *Norwalk*  
 B.S., Missouri University of Science and  
 Technology  
 Department: Civil, Construction and  
 Environmental Engineering  
 Major: Civil Engineering (Transportation  
 Engineering)  
 Thesis: Innovative analysis for reducing data  
 using a tracking methodology
- § Christopher R. Koza *Geneva*  
 B.S., Iowa State University  
 Department: Civil, Construction and  
 Environmental Engineering  
 Major: Civil Engineering (Environmental  
 Engineering)  
 Thesis: Development of solid-liquid  
 separation technologies in bioprocessing
- Stephanie Joy Kratzer *Lincoln, Neb.*  
 B.S., University of Nebraska-Lincoln  
 Department: Food Science and Human  
 Nutrition  
 Major: Nutritional Sciences  
 Thesis: Influence of food on the  
 bioavailability of a docosahexaenoic acid  
 supplement
- Gregory Scott Krawiec *Davenport*  
 B.S., Florida International University  
 Department: Apparel, Educational Studies  
 and Hospitality Management  
 Major: Hospitality Management  
 Thesis: Front line hospitality leaders:  
 Knowledge, knowledge acquisition, and  
 ability to effectively lead
- Timothy David Kutnink *Emerson*  
 B.S., Iowa State University  
 Department: Physics and Astronomy  
 Major: High Energy Physics  
 Thesis: Detector response calibration for the  
 NO Nu A quasi-elastic cross-section  
 measurement
- Karl Henry Lang III *Albia*  
 B.A., Simpson College  
 School: Greenlee School of Journalism and  
 Communication  
 Major: Journalism and Mass Communication  
 Thesis: Who do people trust for financial  
 advice? Iowans rate the credibility of  
 information channels for financial  
 information
- Daniel George Wels Lannin *Elgin, Ill.*  
 B.A., Hope College  
 Department: Psychology  
 Major: Psychology  
 Thesis: The effect of self-affirmation on  
 stigma associated with seeking  
 psychological help
- Dan Li *Ames*  
 B.S., PLA Information Engineering University  
 Department: Electrical and Computer  
 Engineering  
 Majors: Computer Engineering and  
 Information Assurance
- Unity Beatrice Locke *Middleton Scriven, England*  
 B.A., University of Cambridge;  
 B.V.M., *Ibid.*  
 Department: Veterinary Pathology  
 Major: Veterinary Pathology (Veterinary  
 Clinical Pathology)
- Shan Lu *Wuhan, China*  
 B.E., Wuhan Polytechnic University  
 Department: Apparel, Educational Studies  
 and Hospitality Management  
 Major: Hospitality Management
- Jacqueline Sue Luckstead *Anamosa*  
 B.A., Mount Mercy College  
 Department: Interdisciplinary Graduate  
 Studies  
 Major: Interdisciplinary Graduate Studies  
 (Community Development)

Jingzhou Luo *Chengdu, China*  
B.E., Zhejiang University;  
Master, Eindhoven University of Technology  
Department: Electrical and Computer  
Engineering  
Major: Computer Engineering

Roy James Lycke *Marshalltown*  
B.S., Iowa State University  
Department: Electrical and Computer  
Engineering  
Major: Computer Engineering  
Thesis: Phenotyping *C.elegans* and neuronal  
cells in microengineered devices

Anna Lynn MacDonald *Des Moines*  
B.S., Iowa State University  
Department: Natural Resource Ecology and  
Management  
Major: Wildlife Ecology  
Thesis: Blurring the lines between  
production and conservation lands: Bird  
use of prairie strips in row-cropped  
landscapes

Charles David Malata-Chirwa *Malomo, Malawi*  
Dipl. Engr., Polytechnic Malawi;  
B.E., *Ibid.*  
Department: Civil, Construction and  
Environmental Engineering  
Major: Civil Engineering (Civil Engineering  
Materials) (Environmental Engineering)  
Thesis: Manufacture and properties of  
fluoride cement

David Kareem Manu *Ames*  
B.S., Iowa State University  
Departments: Animal Science and Food  
Science and Human Nutrition  
Majors: Meat Science and Food Science and  
Technology  
Thesis: Antimicrobial effectiveness of  
Phenylactic acid against foodborne  
pathogenic bacteria and *Penicillium* and  
*Aspergillus* molds

Peter de Boer Martinson *Medina, Minn.*  
B.S., Iowa State University  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Thesis: Controlling a satellite dish for two  
way Internet communication from a  
moving vehicle

Graydon F. Marzen *Marble Rock*  
B.S., Iowa State University  
Department: Supply Chain and Information  
Systems  
Major: Seed Technology and Business

Manjit Maskey *Kathmandu, Nepal*  
B.Ach., Tribhuvan University;  
B.S., St. Cloud State University  
Department: Biochemistry, Biophysics, and  
Molecular Biology  
Major: Biochemistry  
Thesis: Role of the N-terminus of  
recombinant human brain hexokinase in  
mitochondrial binding

Zhen Miao *Tianjin, China*  
B.Econ., Nankai University;  
M.Econ., *Ibid.*;  
Ph.D., Iowa State University  
Department: Statistics  
Major: Statistics

David Christopher Mitchell *Saint Louis, Mo.*  
B.A., St. Olaf College  
Departments: Agronomy  
Majors: Soil Science (Soil Microbiology and  
Biochemistry) and Ecology and  
Evolutionary Biology  
Thesis: Nitrogen sources and sinks in Iowa  
soils: Biogeochemical links between  
carbon inputs, nitrate leaching, and  
nitrous oxide emissions

Angel Daniel Morandeira Alonso *Bayamon, Puerto Rico*  
B.S., University of Puerto Rico-Mayaguez  
Department: Civil, Construction and  
Environmental Engineering  
Major: Civil Engineering (Construction  
Engineering and Management)  
Thesis: Training development for pavement  
preservation: chip sealing and fog sealing

Brenda Renee Morningstar *Ames*  
B.S., Iowa State University  
Department: Veterinary Microbiology and  
Preventive Medicine  
Major: Veterinary Microbiology  
Thesis: Comparison of the PremiTest and  
xMAP *Salmonella* serotyping assays and  
classical serotyping for determination of  
*Salmonella* serovars

Elizabeth Louise Moss *Maple Grove, Minn.*  
B.S., Iowa State University  
Department: Geological and Atmospheric  
Sciences  
Major: Geology  
Thesis: Assessing understanding of the nature  
of science and science self-efficacy in  
undergraduates involved in research in  
an introductory geology course

†† Chad M. Nelson Cedar Rapids  
 B.S., Iowa State University  
 Department: Electrical and Computer  
 Engineering  
 Major: Computer Engineering  
 Thesis: RAMPS: Reconfigurable architecture  
 for minimal perfect sequencing using the  
 Convey hybrid core computer

Sara Lynn Nichols Fulda, Minn.  
 B.S., Northwestern College  
 School: Education  
 Major: Education  
 Thesis: Examining the effects of the  
 Sheltered Instruction Observation  
 Protocol model on the reading  
 comprehension of first grade students

Stacey Lee Noe Huxley  
 B.S., Iowa State University  
 Department: Agricultural Education and  
 Studies  
 Major: Agricultural Education

Ryan Richard Oltmans Sherburn, Minn.  
 B.S., Iowa State University  
 Department: Agronomy  
 Major: Soil Science (Soil Fertility)  
 Thesis: Potassium uptake, recycling, and soil-  
 test temporal variability in soybean and  
 corn

Kevin Charles O'Neill Omaha, Neb.  
 B.S., University of Nebraska-Omaha  
 Department: Veterinary Diagnostic and  
 Production Animal Medicine  
 Major: Immunobiology  
 Thesis: Efficacy and impact of current  
 commercial porcine circovirus type 2  
 (PCV2) vaccines in dams and growing  
 pigs

Donald Christopher Peterson Stillwater, Minn.  
 B.S., Iowa State University  
 Department: Mathematics  
 Major: Applied Mathematics  
 Thesis: Pseudo-random number generators  
 and an improved steganographic  
 algorithm

Bailey Ralph Pinney Denver, Colo.  
 B.S., University of Colorado-Denver  
 Department: Statistics  
 Major: Statistics

David Andrew Prater Ames  
 B.S., Iowa State University  
 Department: Psychology  
 Major: Human Computer Interaction  
 Thesis: Impact factor design and research for  
 creating consequence in virtual military  
 training

Shuyang Qu Ames  
 B.A., South-Central University for  
 Nationalities  
 School: Greenlee School of Journalism and  
 Communication  
 Major: Journalism and Mass Communication  
 Thesis: Profiling adopters of Bt cotton in  
 China by gender, farm size, education  
 and communication

Christopher Daniel Radke Dubuque  
 B.S., Iowa State University  
 Department: Mechanical Engineering  
 Major: Mechanical Engineering  
 Thesis: Experimental characterization of a  
 liquid-liquid co-axial swirl rocket  
 injector using non-invasive optical and  
 X-ray techniques

Fardad Raisali Tehran, Iran  
 B.S., Sharif University of Technology  
 Department: Electrical and Computer  
 Engineering  
 Major: Electrical Engineering  
 Thesis: Stability (over time) of regularized  
 modified CS (noisy) for recursive causal  
 sparse reconstruction

Venkatesh Satyanarayan Raju Pune, India  
 B.E., University of Pune  
 Department: Supply Chain and Information  
 Systems  
 Major: Information Systems

Michael Allen Rausch Ionia  
 B.S., Iowa State University  
 Department: Entomology  
 Major: Entomology  
 Thesis: Selection and genetic analysis of  
 European corn borer (*Ostrinia nubilalis*):  
 Plant abandonment vs. plant  
 establishment

Michael Owen Reed Dayton, Ohio  
 B.S., Miami University  
 Department: Food Science and Human  
 Nutrition  
 Major: Food Science  
 Thesis: Development and utilization of  
 resistant starch in cooked rice grains and  
 breads

Matthew C. Rich *Sioux City*  
B.S., Iowa State University  
Department: Electrical and Computer  
Engineering  
Major: Electrical Engineering  
Thesis: Model development, system  
identification, and control of a quadrotor  
helicopter

Rituparna Sarkar *Kolkata, India*  
B.E., Jadavpur University  
Department: Electrical and Computer  
Engineering  
Major: Electrical Engineering  
Thesis: Particle filtered modified  
compressed sensing and applications in  
visual tracking

Christina Joy Sauder *Fitchburg, Wis.*  
B.S., University of Wisconsin-Madison  
Department: Kinesiology  
Major: Kinesiology  
Thesis: Firefighters' stress response to a  
virtual reality occupationally relevant  
stressor and a virtual reality laboratory  
stressor

Moinuddin Abrar Sayed *Mumbai, India*  
B.Tech., University of Mumbai  
Department: Electrical and Computer  
Engineering  
Major: Computer Engineering  
Thesis: Mitigating impacts of workload  
variation on ring oscillator-based  
thermometers

Jeanna Marie Schierholz *Salem, S. Dak.*  
B.S., South Dakota State University  
Department: Civil, Construction and  
Environmental Engineering  
Major: Civil Engineering (Construction  
Engineering and Management)

Brittany Nicole Schon *Glidden*  
B.S., Iowa State University  
Department: Agricultural and Biosystems  
Engineering  
Majors: Industrial and Agricultural  
Technology and Biorenewable Resources  
and Technology  
Thesis: Characterization and measurement  
of corn stover material properties

Christina Elaine Schulte *Sioux Falls, S. Dak.*  
B.S., Northern State University  
Department: Food Science and Human  
Nutrition  
Major: Toxicology  
Thesis: Investigating the dual roles of STRA6  
in cell signaling and vitamin A trafficking

James L. Schweigert *Platteville, Wis.*  
B.S., Colorado State University  
Department: Supply Chain and Information  
Systems  
Major: Seed Technology and Business

Victoria Elise Scott *Penrose, Colo.*  
B.S., Colorado State University  
Department: Agronomy  
Major: Soil Science (Soil Microbiology and  
Biochemistry)(Soil Management)  
Thesis: Quantification of a sensitive soil  
carbon constituent as affected by soil  
type, tillage system, and crop rotation

Alexander M. Shaver *Johnstown, Pa.*  
B.S., Duquesne University  
Department: Physics and Astronomy  
Major: Nuclear Physics

Jacob Joseph Shaw *Strawberry Point*  
B.S., Iowa State University  
Department: Civil, Construction and  
Environmental Engineering  
Major: Civil Engineering (Structural  
Engineering)  
Thesis: A case study of mass concrete  
construction for Midwest boarder  
bridges

Teresa Marie Sigafoose *Webster City*  
B.S., Iowa State University  
Department: Veterinary Pathology  
Major: Immunobiology  
Thesis: The effect of air on the potency of  
multi-use vials of *Mycobacterium bovis*  
purified protein derivative (bPPD)

Darren Victor Snively *Vandalia, Ohio*  
B.S., Ohio University  
Department: Geological and Atmospheric  
Sciences  
Major: Meteorology  
Thesis: Prediction of convective morphology  
in near-cloud permitting WRF model  
simulations

Zhao Song *Tongchuan, China*  
B.E., Harbin Institute of Technology  
Department: Electrical and Computer  
Engineering  
Major: Electrical Engineering  
Thesis: Bayesian max-product expectation  
maximization algorithm for structured  
sparse signals reconstruction

Jessica Lynne Soulis *Redfield*  
B.A., Simpson College  
Department: Sociology  
Majors: Sociology and Sustainable  
Agriculture  
Thesis: Increasing access to healthy food at a  
cooperative grocery store

Jesse Lance Strzok *Washburn, Wis.*  
B.S., University of Wisconsin-Superior  
Department: Economics  
Major: Economics  
Thesis: Willingness-to-pay for organic food  
products and organic purity:  
Experimental evidence

Cayla Westergard Taylor *Ireton*  
B.S., Iowa State University;  
B.A., *Ibid.*  
Department: Agricultural Education and  
Studies  
Major: Agricultural Education (Agricultural  
Extension Education)

Jordan Ray Thistle *Davenport*  
B.S., Iowa State University  
Department: Aerospace Engineering  
Major: Aerospace Engineering  
Thesis: Development of an explicit pressure-  
based unstructured solver for three-  
dimensional incompressible flows with  
graphics hardware acceleration

Auswin George Thomas *Chennai, India*  
B.E., Anna University  
Department: Electrical and Computer  
Engineering  
Major: Electrical Engineering  
Thesis: Residential air-conditioning system  
with smart-grid functionality

Scott Albert Thompson *Rushville, Ill.*  
B.S., Western Illinois University  
Department: Interdisciplinary Graduate  
Studies  
Major: Interdisciplinary Graduate Studies  
(Community Development)

Yichia Tseng *Tainan, Taiwan*  
B.S., National Chung Hsing University  
Department: Agronomy  
Major: Plant Breeding  
Thesis: New methods for haploid selection in  
maize

Xiaofan Wang *Nanyang, China*  
B.A., Zhengzhou University;  
B.G.S., Fort Hays State University  
Department: Apparel, Educational Studies  
and Hospitality Management  
Major: Hospitality Management  
Thesis: How different types of restaurants  
behaved differently through the recent  
recession an analysis of stock market and  
financial ratios

Emily Kathryn Weber *Genesee, Idaho*  
B.S., Iowa State University  
Department: Animal Science  
Major: Animal Science  
Thesis: Feeder space availability and dried  
distillers grains with solubles inclusion  
rate effects on nursery and finishing pig  
performance and total tract digestibility  
in a commercial setting

Lucas Adam Westerman *Chokio, Minn.*  
B.A., University of Minnesota-Duluth  
Department: Agronomy  
Major: Agronomy

Gary Travell Williams *Atlanta, Ga.*  
B.S., Morehouse College  
Department: Statistics  
Major: Statistics

Chun Yin Wo *Hong Kong*  
B.S., University of Hong Kong  
Department: Agronomy  
Major: Seed Technology and Business

Chenxi Wu *Liuzhou, China*  
B.S., China Agricultural University  
Department: Agronomy  
Major: Crop Production and Physiology  
(Weed Science)  
Thesis: The effects of emergence timing and  
herbicide resistance on the ecological  
fitness and adaptation of common  
waterhemp (*Amaranthus tuberculatus*  
(Moq) Sauer) to agricultural systems

Nan Xiao *Changchun, China*  
B.S., Nanjing University;  
M.S., Wayne State University;  
M.S., Iowa State University  
Department: Computer Science  
Major: Computer Science  
Thesis: Survivable multipath provisioning in  
OFDM-based flexible optical networks



# 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

---

Heather Ann Anderson	<i>Hawkeye</i>	Leah Ann Henkes	<i>Luana</i>
Jacob Armstrong Bowers	<i>Alburnett</i>	Brandi Lynn Hofstatter	<i>Mendota, Ill.</i>
Jon Charles Doese	<i>Fairbank</i>	Colin James Hogrefe	<i>Albert City</i>
Andrew Michael Enfield	<i>Collins</i>	Michael Glenn Koenig	<i>Pleasantville</i>
Jonah Wegener Ewers	<i>DeWitt</i>	Catherine Marie Miller	<i>Collinsville, Ill.</i>
Sally Anne Gorenz	<i>Maple Park, Ill.</i>	Caryn Caye Robinson	<i>Cylinder</i>
Danielle Marie Hamilton	<i>Waverly</i>		

### Curriculum in Agricultural Biochemistry

---

Blake Warner McManus	<i>Muscatine</i>	Stephen L. Moldovan	<i>Sac City</i>
----------------------	------------------	---------------------	-----------------

### Curriculum in Agricultural Business

---

* Megan Ruth Bierschenk	<i>Nashua</i>	Joseph Douglas Houser	<i>Slater</i>
Casey Jean Clemens	<i>Moravia</i>	Katee Sue Keller	<i>Fruitland</i>
Eric Richard Croghan	<i>Manilla</i>	Mary Edith Kolthoff	<i>New Hampton</i>
James Francis Demler	<i>Wasco, Calif.</i>	Scott Andrew McCubbin	<i>Madrid</i>
Adam Kyle Dreeszen	<i>Cushing</i>	Brian Patrick Mike	<i>New Richmond, Wis.</i>
Nathan D. Easley	<i>Eldridge</i>	Sarah Elizabeth Parks	<i>Grimes</i>
Joseph Michael Flanigan	<i>Mapleton</i>	** Kayla Lynn Reiter	<i>Waterloo</i>
Jordan Matthew Ganeff	<i>Lehigh</i>	Jesse Paul Reyes	<i>Union</i>
Jacob Frank Hartwig	<i>Atlantic</i>	Philip Thomas Sporrer	<i>Ames</i>
Adam Wilhelm Holm	<i>Story City</i>	Tate Douglas Stetzel	<i>Guthrie Center</i>

### Curriculum in Agricultural Studies

---

Cody Allen Boldt	<i>Toledo</i>	Austin Scott McClellan	<i>Bayard</i>
Matthew Lee Brissey	<i>Burlington</i>	Kelli Jo McGregor	<i>Slater</i>
Kyle Brian Carpenter	<i>Chariton</i>	Katherine Anne Mittman	<i>Nevada</i>
Dustin Allen Gorackzowski	<i>Swea City</i>	Brent Alfred Vanderloop	<i>Hubbard</i>
Nicholas Wayne Hageman	<i>Decorah</i>	Joel Brian Ver Steegt	<i>Janesville</i>
* Calvin James Hefty	<i>Lu Verne</i>	Eric James Vogel	<i>Lohrville</i>
Kyle C. Holschlag	<i>New Hampton</i>	Ashley N. Volk	<i>Champaign, Ill.</i>
Jamie Lea Imboden	<i>Earlham</i>	Jordan Joseph Voss	<i>Woolstock</i>
* Andrew James Lauver		William Daniel Wynn	<i>Albia</i>

### Curriculum in Agricultural Systems Technology

---

Lucas Berry Drendel	<i>Naperville, Ill.</i>	Dustin Loyd Koenig	<i>Metamora, Ill.</i>
Michael Scott Fay	<i>New Liberty</i>	Brett Allen McArtor	<i>Crawfordsville</i>
Michael Curtis Gruhn	<i>Kellogg</i>	Lee Michael Miller	<i>Rockwell City</i>
Garrison Robert Hielkema	<i>Sibley</i>	Ethan Lee Nielsen	<i>Avoca</i>
Kevan C. Hoefling	<i>Spencer</i>	* Christopher Matthew Parsons	<i>Hadley, Mass.</i>
Kyle Mikel Kirchhoff	<i>Tripoli</i>	Tyler John Romoser	<i>Keota</i>

\* *Cum Laude*

\*\* *Magna Cum Laude*

\*\*\* *Summa Cum Laude*

† *Honors Program*

## Curriculum in Agronomy

	Ryan Cole Braget	Ankeny	Geoffrey Lee Klumpp	Sanborn
	Austin James Brandhof	Prairie City	Mitchell Stephen Lensing	Calmar
	Samantha Jo Busch	Keystone	*** Christopher John Meyer	Creston
	Mark Jeffrey Charlet	Adel	Thomas Patrick Pepper	Story City
*	Daniel John Foth	Livermore	** Tyler Jahn Reimers	Denison
	Ryan James Gardner	Des Moines	Zakary A. Swanson	Cambridge, Ill.
	Shane Matthew Gerhart	Bancroft	Madison Lee Vangorp	Clive
	Owen John Heetland	Ackley	Andrew John White	Calamus
	Brandon Lee Kann	Guttenberg		

## Curriculum in Animal Ecology

	Jamie Lee Balk	Little Turkey	James Harold Johnston	Coon Rapids
	Laura Yinet Bello	Guaynabo, Puerto Rico	Jordan Daniel Lindaman	Cedar Falls
	Joseph Robert Bolton	Guthrie Center	Michael G. Mader	Jewell
	Sean Michael Bradley	Bennett	Stephanie L. Meyer	Swisher
	James M. Crain	Stronghurst, Ill.	Paige Alexandria Mohr	Westside
	Bryan Joesph Donohue	Oskaloosa	Evan A. Newman	Lockridge
	Kevin Lysander Elias	Ames	Nicole Faye Nuddelman	Mason City
	Monica Rachel Gallardo	Alta Loma, Calif.	* Yevgeniy Vyacheslavovich Pavelko	Vernon Hills, Ill.
	Katherine Ann Harvey	Waterville	Jason Edward Reese	State Center
	David Aaron Hebeisen	Mora, Minn.	Noah Ryan Robb	Morning Sun
	Kaitlin R. Herrmann	Manson	David Alan Rolfes	
	Cara Brooke Ingle	Altoona	* Michael David Sundberg	Ames
***	Aubrie Rose Manion James	Ames	Lea Josephine Wadle	Ankeny
	Colton J. Johnson	Slater		

## Curriculum in Animal Science

	Jaclyn Lynea Amiss	Claypool, Ind.	Erika Linn Lundy	Adair
	Chelsi Ronell Birchmier	Maxwell	Mark Ayuen Makur	Ames
	Brent Michael Blackford	New Virginia	Sonnie Nicosia Mason	Mahtomedi, Minn.
	Christopher James Byrd	Cedar Falls	** Maegan O'Toole Masterton	Carol Stream, Ill.
	Adam Carrothers	Cambridge	** Brady Michael McNeil	Grand Mound
	Kelly Murphy Connolly	Urbandale	*† Sara Jean Morine	Lamont
	Allyson Marie Dinsdale	Reinbeck	Ceslie May Ozbun	Colo
	Tyson Dean Eggers	Dolliver	Matthew Scott Pemberton	Washington
	Brian Elsbernd	Decorah	Kathryn Megan Place	Marshall, Mich.
**	Victoria R. Farwell	Council Bluffs	Roslyn Marie Punt	Hospers
	Galen Christopher Gard	Yale	** Glenn Daniel Robinson	Malvern
	Auna Rachelle Gould	Dunedin, Fla.	Jeremy Micheal Servantez	Mason City
**	Rachel Hope Groenenboom	Buffalo Center	Samantha Ann Stegman	Wesley
**	Matie Nicole Hanson	Nevada	Jordan L. Struck	Schleswig
	Tyler Alan Hofstatter	Lowpoint, Ill.	Jana Danielle Torrez	Orange, Calif.
*	Sarah Christine Hotchkiss	West Des Moines	Sheila Marie Tuftee	Bettendorf
	Sabrina Elizabeth Jurrens	Estherville	Brooke Ashley Walters	Johnston
	Julianna Nicole Kruse	Murray		

## Curriculum in Biology

*	Emma Elaine Chalupsky	Cedar Rapids	** Christina Marie Lopez	Sioux City
	Yan Chen	Shenyang, China	* Yevgeniy Vyacheslavovich Pavelko	Vernon Hills, Ill.
***	Evan Joseph Eastman	Des Moines	Jeremy Micheal Servantez	Mason City
	Rachel Irene Flynn	Mason City	Michael Henry Weber	Early
	*Sarah Christine Hotchkiss	West Des Moines		

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



### **Curriculum in Dairy Science**

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Kaia Lynnlee Halverson Damian Earl Hosch	<i>Elko, Minn. Bernard</i>	Haley Michelle Jones Isaac Phillip Manternach	<i>Spencer Worthington</i>
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### **Curriculum in Environmental Science**

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Andrew Lawrence Davis	<i>Dubuque</i>	Garret Jacob Hugel	<i>Cary, Ill.</i>
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### **Curriculum in Food Science**

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** Daniel Walter Connor Taylor Marie Downing	<i>Marathon Rock Island, Ill.</i>	Jody Lee Lohse Wenyang Zhang	<i>Gladbrook Ames</i>
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### **Curriculum in Forestry**

---

Joshua James Appletoft Tyler Andrew Betcher Cody Blaine Crawford *** Laura Rae Helmich Brent Matthew Keninger	<i>Sioux City  Humboldt Sioux City Ackley</i>	** Emily Rae Kiefer Robert Kenneth Manatt * Karissa Marie Merial Ned Michael Parker	<i>Ogden Ames Adel Cedar Rapids</i>
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### **Curriculum in Global Resource Systems**

---

* Briana Faye McNeal Allison Marie Riley	<i>Austin, Tex. Des Moines</i>	Kaitlin Jo Robertson	<i>Glenwood</i>
---	------------------------------------	----------------------	-----------------

### **Curriculum in Horticulture**

---

Winston Thomas Beck Peter Brooks Carr Taylor Robert Crampton Tabitha Rae Fontinel Alexandria Rose Franzen Isaac Thomas Mertz	<i>Omaha, Neb. Rochester, Minn. Denison Marengo Lawler Panora</i>	*** Alex Joseph Perrizo Zachary F. Sargent Joshua Robert Tatman Tyler Cole Tunning Derek James White Heckman	<i>Odebolt Wauconda, Ill.  McClave, Colo.</i>
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### **Curriculum in Industrial Technology**

---

Tyler James Hall Jarrad Wesley Lehman Sean Robert Moore Joel Evan Tiedeman Robert John Tracy	<i>Milo Nevada Cedar Rapids George Des Moines</i>	Nathan Allen Wagoner Mitchel St. Jon Whitney Andrew Reid Worthington	<i>Red Oak Waverly Grass Valley, Calif.</i>
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### **Curriculum in Microbiology**

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Kellee Ann Mullen	<i>LaPorte City</i>
-------------------	---------------------

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



# CANDIDATES FOR DEGREES FROM THE COLLEGE OF BUSINESS

## BACHELOR OF SCIENCE Curriculum in Business

### Major in Accounting

**	Hashem Haitham Alanani	Ames	Stephen Paul Kesten	Fort Dodge
	Trevor Lee Baker	Linn Grove	Timothy Nam Kim	Chicago, Ill.
**	Nicholas James Bass	Johnston	Xiangyi Li	Fushun, China
	Robert Hunter Bauer	Hinsdale, Ill.	* Ben Michael Lortz	Grimes
	Brittany Rose Bogler	Earling	** Amanda Marie Mayberry	Ames
*	Joseph Daniel Boveia	Waverly	** Robert Andrew Poterucha	Rochester, Minn.
	Lizel Patricia Bragg	Norwalk	Zachary James Ramsey	Urbandale
**	Amanda Renee Bush	Milan, Ill.	Kaitlin Elizabeth Sandine	Urbandale
	Matthew Ryan Devick	Ankeny	Kelsey Ann Sandon	Urbandale
	Yang Ding	Wuhan, China	** Amanda Kay Scavo	West Des Moines
	Kyle Ray Engelhoven	Oskaloosa	Nicholas Lee Smith	Walford
	Yiru Fang	Taiyuan, China	* Eric J. Sourwine	Burlington
	Morgan Marie Forbes	Ames	*** Bradley Giles Steffen	Des Moines
	William James Franzmeier	Newell	Mingke Wang	Rongcheng, China
	Jordan John Goldie	Urbandale	* Ruinan Wang	Shenyang, China
†	Qi Guo	Taiyuan, China	Alicia Jean Watrous	Johnston
	Kade Joseph Hammes	Ollie	Eric Robert Weier	Linn Grove
**	Lindsay Elaina Hoehns	Knoxville	** Joseph Jordan Weigel	Ames
	Tonya Marie Hudnutt	Indianola	Benjamin Yeboah	Ghana
	Tedjo Sondyako Imardjoko	Ames	Nicholas Eli Yusten	Sioux City
	Jamie Ann Kalb	Carson	* † Lin Zou	Ningbo, China
	Andrew James Kane	Dubuque		

### Major in Business Economics

Anna Grace Backes	Marshalltown	**	Miracle-Rose Toppar	Accra, Ghana
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### Major in Finance

Brandon Stephen Bell	Woodstock, Ill.	*	Jacob Russell Hirsch	Muscatine
Joshua Aaron Cantrell	Fort Worth, Tex.		Mingye Hu	Ankeny
Qian Chen	Shanghai, China	*	Holly Anne Hudson	Ankeny
Aaron J. Croker	Storm Lake	*	Leijing Jia	Xi'An, China
Upabali Das Sarma	Kolkata, India		Zichuan Jiang	Shanghai, China
James Michael Dicello	Libertyville, Ill.		Alexander Brian Johnson	Ankeny
Shitian Ding	Shenyang, China		Ismael Njoya Kouotou	Yaounde, Cameroon
Shuting Dong	Xi An, China		Joshua Thomas Larish	Eden Prairie, Minn.
Wenchao Fan	Shouguang, China		Yang Li	Taiyuan, China
Robert C. Feeney	Pella		Yanlin Li	Beijing, China
Jennifer Lee Files	Urbandale		Chang Liu	Ames
Cody Dale Frantum	Woodward		Chenglong Liu	Guangzhou, China
Garett S. Garner	Quincy, Ill.		Yichen Liu	Zhengzhou, China
Rachel Lynne Gilmore	Earlham		Yuhan Liu	Shenyang, China
* Nanqin Gu	Hangzhou, China		Evan Thomas McCann	Woodbury, Minn.
Qi Guo	Taiyuan, China		Michelle Marie Mensing	Orient
Chad David Hayes	Arlington		Martha Rose Metzger	Alvord
Bronson Kyle Helt	West Point		Keegan Layne Miesner	

\* Cum Laude

\*\* Magna Cum Laude

\*\*\* Summa Cum Laude

† Honors Program

Shixin Qiu	Chengdu, China	*†	Xinning Xie	Xiangtan, China
Heather Sue Sayer	Webster City		Fei Xu	Chengdu, China
Matthew Thomas Schneider	Eden Prairie, Minn.		Yichen Xu	Kunshan, China
Juan Francisco Segovia			Ying Xu	Wuhan, China
Jun Hyuk Shin	Seoul, South Korea		Fan Yang	Chengdu, China
Matthew Scott Stockman	Rosemount, Minn.		Xitu Yang	Nanyang, China
Brandon Lee Ulmer	Wichita, Kans.		Huiling Yin	Harbin, China
* Can Wang	Chengdu, China	**	Andrew Lee Zeman	Rockford, Ill.
Mingke Wang	Rongcheng, China		Bohao Zhang	Beijing, China
Xiao Wang	Chengdu, China		Jing Zhang	Hangzhou, China
Jianyun Wei	Linfen, China		Yifu Zhao	Jilin, China

### Major in Logistics and Supply Chain Management

John Huppenbauer	Burlington	Chase Alan Patrick	Coon Rapids
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### Major in Management

Christopher B. Becker	Dubuque	Samantha Ashley Liametz	Mount Prospect, Ill.
Jessica Rose Benjamin	Ankeny	Adam Matthew Peters	Norwalk
Anthony Dean Campbell	Waverly	Laura Elizabeth Potts	Bondurant
Mitchell Robert Carpenter	Webster City	Taylor James Ross	Washington
Daniel C. Feekes	Denison	* Emily Kay Schares	La Porte City
Lorie Ann Hancock	Washington	Levi Jackson Soukup	Ankeny
Andrew M. Hudspeth	Geneva, Ill.	Brody R. Toigo	Delta, Canada
Megan Lynn Johnston	Grand Junction	Lingjun Xu	Changsha, China
Kristian Katherine Kline	Franktown, Colo.		
Troy Xavier Langenfeld	Earling		

### Major in Management Information Systems

Nathaniel Gilles Chrastil	Eagan, Minn.	Michael Justin McCall	West Des Moines
Joel Edward Cox	Boone	* Grant Austin Naschke	Pella
Joshua D. Culp	Fort Madison	Isaac Kwasi Owusu	Techiman, Ghana
Michael Patrick Dew	West Des Moines	Matthew Richard Pinkston	Ames
William James Phredd Enockson	Sioux City	Michael Joseph Ploeger	Denison
** Hiroyuki Fujita	Fukuyama, Japan	Bin Qiu	Ningbo, China
Alex Paul Hosch	Monticello	Adam Alan Schuchmann	Sheffield
Emilio Jimenez	Bloomington, Calif.	Jordan Richard Sharpe	Ames
Heather Sue Lees	West Des Moines	* Eric J. Sourwine	Burlington
Stephen Miko Lucas	Slater	Phillip Edward Spencer	Davenport
Tyler Paul Marlow	Bloomfield	Joseph Paul Tauke	De Soto

### Major in Marketing

John James Altendahl	Eagan, Minn.	Samuel John Leahy	Johnston
Andrew Don Behnkendorf	Algona	Kelsi Elise Madsen	Elk Horn
Jacob Charles Boesen	Eldridge	Jacqueline Clair Maher	Saint Charles, Ill.
Warren Robert Freese	Indianola	Ethan Dale Marolf	Manchester
Byron Randy Fuller	Clinton	Lauren Nicole Perry	Schaumburg, Ill.
Sydney Ann Gooder	Cresco	Trey Michael Perry	Urbandale
Bryan Irwin Griffith	Grimes	Ryan Patrick Pierce	West Des Moines
Megan Frances Hassebrock	Williams	Joshua Lowell Schmidt	Boone
Diane Elizabeth Hermanson	Belgrade, Minn.	Hee Ung Shin	Bundang, South Korea
Annabelle Lee Hill	Marshalltown	Aaron Michael Spicer	Urbandale
Rachel Jane Hockaday	Forsyth, Ill.	John Dirk Thieben	West Des Moines

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

	Emily Anne Walker	Waverly	Xu Zhang	Yanjiao, China
*	Yanan Xu	Shenzhen, China	Ziwei Zhong	
*	Xinyang Zhang	Qinhuangdao, China		

### Major in Supply Chain Management

	Kyle Steven Anderson	Ankeny	Carsten David Moeller	Indianola
	Collin Jay Baumhover	Ogden	Nathan Crane Oakley	Des Moines
	Chaz Michael Dean	Spirit Lake	*** Heng Pung	
	Jacque L. Ferezy	Urbandale	Mitchell James Rupiper	Carroll
	Jacob Patrick Goslar	Charter Oak	Phillip Edward Spencer	Davenport
	Aaron Jay Granseth	Des Moines	Jonathon Douglas Van Dyke	Bettendorf
	Nathan Marlowe Hardy	Hubbard	** Forrest Vaughn Ward	Ames
	Jared Joseph Klostermann	Fairbank	Ziwei Zhong	
	Lisa Marie Maher	Imogene	* Lin Zou	Ningbo, China

### Multiple Majors

**	Nick James Bierbrodt		LeAnn Marie Herold	Dallas
	Supply Chain Management and Management Information Systems		Accounting and Finance	
**	Jason Kenneth Burdine	Ames	Samantha Renee Hladek	Iowa City
	Management and Supply Chain Management		Marketing and Management	
***	Jeremy Gerard Burkle	Dyersville	Feiyang Hu	Nanchang, China
	Accounting and Finance		Finance and Accounting	
	Jacob Thomas Correll	Omaha, Neb.	Alex Andrew Johnson	Burnsville, Minn.
	Accounting and Management		Finance and Accounting	
	Alan John Cushing	West Des Moines	Minjean Kok	Penang, Malaysia
	Finance and Management		Marketing and Supply Chain Management	
*	Anna Elizabeth Earhart	Stuart	Mingxia Li	Shijiazhuang, China
	Supply Chain Management and Accounting		Accounting and Finance	
	Karen Ivette Ferrera	Sioux City	* Zizhao Liu	Beijing, China
	Marketing, International Business, and Management		Management and Marketing	
	Erin Elizabeth Flanery	Guthrie Center	Tailong Lou	Zhengzhou, China
	Accounting and Management Information Systems		Finance and Accounting	
	Jun Fu	Suzhen, China	Ryan James Magill	Ankeny
	Finance and Accounting		Management and Accounting	
	Kayla Kristine Hausman	Halbur	Kristina Marie Maher	Ankeny
	Accounting and Finance		Accounting and International Business	
	Patrick John Hayes	Ames	Clinton Eugene Martin	Boone
	Business Economics and Finance		Marketing and Management	
			Andrew Richard McCarville	Fort Dodge
			Finance and Management	

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

Caitlin Abigail McLaughlin <i>Management and Marketing</i>	Maquoketa	Sarah Elizabeth Volz <i>Accounting and Finance</i>	Altoona
* Kayla Joy McVicker <i>Management and International Business</i>	Ames	Yajie Wang <i>Accounting and Supply Chain Management</i>	Chongqing, China
Shengnan Qian <i>Finance, International Business, and International Studies</i>		† Ligan Xie <i>Accounting and Management Information Systems</i>	Changsha, China
Hanjing Qu <i>Accounting and Finance</i>	Suzhou, China	Hansen Xing <i>Finance and International Business</i>	Zibo, China
Aric Jacob Sankot <i>Marketing and Management</i>	Cedar Rapids	* Bo Yan <i>Finance and Accounting</i>	Beijing, China
Joe Michael Studer <i>Supply Chain Management and Management</i>	Lu Verne	* Yang Yang <i>Accounting and Supply Chain Management</i>	Taiyuan, China
Wenjie Tang <i>Marketing and Management</i>	Ningbo, China	** Xiaodong Zeng <i>Finance and Management</i>	Hangzhou, China
Ana Cristina Victores-Reboredo <i>Accounting and Supply Chain Management</i>	Guaynabo, Puerto Rico	Aiqi Zhang <i>Finance and Management</i>	Kunming, China
		Zhuoyang Zhang <i>Accounting and Finance</i>	Anji, China

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

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** Diana Alim	Surabaya, Indonesia	Ronald Camilo Reyes	Ames
Evan Erskine Duyvejonck	Rock Island, Ill.	Jasmine Singh	Kuwait City, Kuwait
Joseph Louis Hersheway	Geneva, Ill.	* Angeline Raisa Tjandra	Jakarta, Indonesia

### Multiple Curricula

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Xiaoshu Du                      Chengdu, China  
*Architecture and Environmental Studies*

## BACHELOR OF ARTS

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### Curriculum in Art and Design

---

Phillip M. Casia	Chicago, Ill.	Tresha Ann Schroeder	San Tan Valley, Ariz.
Amanda Lee Howell	Newton	Natalie Krystal Wadle	Kodiak, Alaska
Sean Eric Roper	Ames		

## BACHELOR OF DESIGN

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### Curriculum in Design

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Nathan Christopher Wearin                      Hastings

## BACHELOR OF FINE ARTS

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### Curriculum in Graphic Design

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Hannah Marie Gilman	Cedar Rapids	Seung-Jin Huh	Seoul, South Korea
Michael Wayne Hoffman	Hoffman Estates, Ill.		

### Curriculum in Integrated Studio Arts

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Dillon Jeffrey Baker	Des Moines	Connor Michael Ringgenberg	Newton
Brianna Marie Baltes	New Hampton	Kelly Anne Sandos	Chesterfield, Mo.
John E. Brix	Ankeny	Arty Vongphakdy	Sioux City
Chad Ryan Powell	Plano, Tex.	Derek Vincent Zarn	Davenport

\* *Cum Laude*

\*\* *Magna Cum Laude*

\*\*\* *Summa Cum Laude*

† *Honors Program*

### **Curriculum in Interior Design**

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\* Davalyn Lee Stepzinski      *Lindenhurst, Ill.*

## **BACHELOR OF INDUSTRIAL DESIGN**

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### **Curriculum in Industrial Design**

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\* Monica Lynn Amman      *Sioux City*

## **BACHELOR OF LANDSCAPE ARCHITECTURE**

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### **Curriculum in Landscape Architecture**

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YoungJae Ahn      *Seoul, South Korea*  
Jihee Chung      *Ulsan, South Korea*

Wynand Michael Van Jaarsveld      *Eagle Grove*

## **BACHELOR OF SCIENCE**

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### **Curriculum in Community and Regional Planning**

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Clayton Charles Ender      *Vinton*  
Travis Lee Halm      *Haverhill*  
James Thomas Hickey      *Ames*

Paul Antoine Khairallah      *Cedar Rapids*  
Greg Robert Ramm      *Onawa*

### **Multiple Curricula and Major**

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\*\* Evan Thomas Todtz      *Camanche*  
*Community and Regional Planning and*  
*Liberal Arts and Sciences: Major in Spanish*

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



# CANDIDATES FOR DEGREES FROM THE COLLEGE OF ENGINEERING

## BACHELOR OF SCIENCE

### Curriculum in Aerospace Engineering

***† John Paul Brendel	Oregon, Ill.	*	Brad Kenneth Kirkpatrick	Kuna, Idaho
Michael Thomas Csiky	Lake In The Hills, Ill.		Benjamin Jekonia Kwasa	Nairobi, Kenya
Christopher Matthew Diviak	Arlington Heights, Ill.		Alexander David Lee	Mason City
** Kevin Thomas Doetsch	Round Lake Beach, Ill.		David L. Peterson	Perry
Christopher Joseph Edwards	Ankeny		Daniel Robert Richards	Clear Lake
Nathaniel Paul Eisenbeis	Savage, Minn.		Dalton Leslie Royer	Red Oak
Jack Reuben Eliker	Waverly, Neb.		Brandon Michael Schlueter	Marion
*** Alex V. Feygin	West Des Moines	*	Steven Edward Shudy	Roselle, Ill.
Steven Joseph Green	Joliet, Mont.		Anthony Gene Simon	Dyersville
Rene Andre Hamilton	Bronx, N.Y.		Michael James Smith	Rochester, Minn.
* Stephen Edward Heinicke	Underwood		Molly Ann Sturgis	Hastings, Minn.
Shaun Brandon Humes	Chicago, Ill.		Andrew Scott Thelen	Des Moines
			Nicholas Everett Williams	Lincoln, Neb.

### Curriculum in Agricultural Engineering

Jeffrey Clark Askey	Red Oak	Justin K. Mehmert	Saint Paul
John Gordon Detlor	Wautoma, Wis.	Dan E. Puck	Manning
Preston Alec Gable	Hartley	Kent Michael Recker	Lu Verne
Darin Arthur Goza	Ames	Alex Wayne Steffens	Cedar Falls
* Joseph M. Klaes	Osage	*** Jeremy Dean Vittetoe	Washington

### Curriculum in Biological Systems Engineering

** Jyahao Leong	Simpang Ampat, Malaysia	Jeremy Gerald Sprecher	Boone
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### Curriculum in Chemical Engineering

Curtis E. Anderson	Webster City	Erin Uhnbee Jun	Omaha, Neb.
Alyssa Marie Bertelsen	Fort Atkinson, Wis.	Cheryl Mei Hsiang Khoo	Kuala Lumpur, Malaysia
* Mason Jerome Bieker	Defiance	** Jared Lee Koliha	Omaha, Neb.
Timothy Alvin Bork	Cottage Grove, Minn.	** Cassidy Nicole LeClaire	Toddville
Justin Michael Breckenridge	Northfield, Minn.	* Derick E. Light	Monument, Colo.
Veronica Bernice Bryant	Saint Paul Park, Minn.	*** Kelly Ann Markham	Iowa City
Patrick Lally Cahalan	Cedar Rapids	Claudia Veronica Martinez	Des Moines
Ebenezer Godwin Chelliah	Ames	Lisa Jamie Nelson	Algona
Timothy Joseph Clayton	Fenton, Mo.	Leonel Leriche Nguedon	Dschang, Cameroon
Jessie William Dowding	Cross Plains, Wis.	Daniel Patrick O'Connor	Mequon, Wis.
Michael John Forrester	Sioux City	Timothy Martin Ouverson	Worthington
* Meredith Renee Gibson	Austin, Tex.	Ryan D. Peetz	Omaha, Neb.
* Yong Guo	Ames	Mario Camarao Peralta	Hoffman Estates, Ill.
Jordan Lee Harrison	Ankeny	** Ngoc Nhu Phan	Ho Chi Minh, Vietnam
Thomas Graham Hindley	Eden Prairie, Minn.	Jordon R. Platte	Denver
Austin David Hohmann	Dubuque	* Heather Jean Schulte	Grant, Minn.
* Vu Anh Huynh	Des Moines	Matthew Allen Smolen	West Des Moines

\* Cum Laude

\*\* Magna Cum Laude

\*\*\* Summa Cum Laude

† Honors Program

* Timothy Mark Sprick	Cedar Rapids	Sean Mark Van Osdale	Owatonna, Minn.
Kevin Robert Stoll	Saint Paul, Minn.	** Jon Michael Wahlstrom	Des Moines
* Matthew White Thompson	Cedar Rapids	Gregory Yu	Ampang, Malaysia
*** Hai Quang Tran	Ho Chi Minh, Vietnam		

### Curriculum in Civil Engineering

** Fahad M. A. R. Asiri	AlJabriya, Kuwait	Joshua P. Miller	Plymouth, Minn.
Haotian Bai	Xuzhou, China	Peng Mo	Nanning, China
** Ryan Robert Beck	Council Bluffs	Paul Joseph Naylon	Omaha, Neb.
Hemant Bhanot	Maun, Botswana	Kevin Michael Puhl	Le Mars
* Michael Philip Brummer	Bloomington, Minn.	Jiaxi Ren	Lanzhou, China
Jonathan William Buck	Bettendorf	Dean Raymond Sayre II	Jefferson
Keaten A. Claney	Plano, Tex.	Eric Paul Schmidt	Eagan, Minn.
John Walter Corkery	Jesup	Anton Joseph Schneider	Polk City
* Kristin Elizabeth Dahm	Early	Michelle Leigh Schumacher	Jesup
Zuchen Deng	Chengdu, China	Andrew William Schweizer	Centerville
Mohamad Tahir Farahmand	Ames	** Mathew James Sleiter	Monroe, Wis.
Liuhi Guo	Lanzhou, China	Scott Charles Smith	Colfax
** Jordan Brent Handel	Urbandale	Paul Daniel Speed	Waterloo
* Abigail H. J. Hoessel	Columbus, Neb.	* Justin Frederick Strom	North Liberty
* Mitchell Lee Holtzman	Hiawatha	Matt C. Thrams	Fort Dodge
* Yuxin Hou	Guangzhou, China	Jordan Edward Turner	Muscatine
Patrick Michael Johnson	Grand Meadow, Minn.	Cory Lee Vacek	Oxford Junction
Yishan Li	Xuzhou, China	Christopher James Wearmouth	Waukee
Zhimin Li	Xi'an, China	Neil Alan Weiss	Jefferson
Wei Luo	Lu'an, China	Jacob Scott Williams	Davenport
Korey Michael Marsh	Ankeny	Fei Wu	Lanzhou, China
Kathleen Grace Maurer	Spring Grove, Ill.	Lin Yang	Tianshui, China
** Eric Joseph Meyer	Cedar Rapids	Shuo Yang	Ames
Nathan Eric Meyer	Waukon	Yugeng Zhao	Lanzhou, China
		Tyler Michael Zoz	Peoria, Ill.

### Curriculum in Computer Engineering

Laith M. Abbas	Amman, Jordan	* Katarina Marie Mitchell	Muscatine
* Ryan T. Alley	Slater	Mark Victor Monat	Jesup
** Bing Bai	Liaoyang, China	Christopher Wayne Morgan	Roland
Tamara Jane Bartlett	Fort Madison	Deogratius Emil Mpinge	Des Moines
Blair Michael Billings	Story City	Andrew James Mungons	Ames
Kyle Russell Bradwell	Fort Dodge	*** Shawn Alexander Quereshi	Rochester, Minn.
Timothy Allen Flanigan	Iowa City	James Adrian Rich	Clear Lake
Gregory Brian Gholson	Iowa City	Andrew Philip Schmitz	Adams, Minn.
Gregory Morgan Hazen	Marshalltown	** Kerrick Alexander Staley	Des Moines
Tyler Blaine Johnson	Colfax	Brian C. Stauffer	Fort Dodge
* Timothy Ryan Kalpin	Maple Grove, Minn.	Michael Aaron Yeager	Ottumwa
Kurt Daniel Kohl	Storm Lake	Yifei Zhu	Nanning, China
Justin W. Landsgard	Saint Olaf		

### Curriculum in Construction Engineering

Steven Lawrence Amberg	Carol Stream, Ill.	Carlton Leroy Davis Jr.	Des Moines
Michael Ray Bear	Melbourne	Kara Elizabeth Ekholm	Inver Grove Heights, Minn.
Cody Alan Brinkmann	Bemidji, Minn.	Thomas Joseph Gaffney	Ryan
William Kyle Bruce	Adel	Alex Mark Grandgeorge	Woolstock
Lauren Marie Caswell	Mahtomedi, Minn.	Amanda Lee Hansen	West Des Moines
Zakary Alan Cole	Council Bluffs	** Brett Joseph Hauser	Woodbury, Minn.
Robert Paul Dalluge	Marshalltown		

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

	Kaleb Nicholas Hoover	Urbandale	*	Patrick James Rumpza	Blooming Prairie, Minn.
	Erik William Johnson	Ankeny		Jon Raymond Schrobilgen	Dubuque
	Evan Dean Johnson	Rochester, Minn.		Michael Donald Sheston	Centerville
	Kai Michael Kilen	Rio, Wis.		Kyle Allen Sievers	Winterset
	Justin Patrick Koenen	Parkersburg	***	Joshua Timothy Singsank	Dyersville
	Jared Jack Krull	Shell Rock		Ryan Howard Smith	Des Moines
	Tyler Scott Kumm	Urbandale		Jacob Sprecher	Middleton, Wis.
	David James Lukan	Cedar Rapids		Cole John Van Ryswyk	Monroe
	Nate John Magill	Polk City		Kolton Glen Wagaman	Red Oak
	Nicholas John Mann	Hastings, Minn.	**	Dustin Arthur Wheatley	Cedar Rapids
	Shawn Ray McKenzie	Sioux City		Lee Charles Yocum	Johnston
	Benjamin Matthew Miller	Marengo, Ill.		Jonathan Carl Yungtum	Sumner
	Bryce Allen Ogea	Manchester			
**	Rachel Lynn Rottinghaus	Waterloo			

### Curriculum in Electrical Engineering

	Justin Lee Batcheler	Center Point		Umair Ilyas	Islamabad, Pakistan
	Sean Patrick Belieu	Des Moines		Kenneth Vaughn Johnson	Davenport
*	Andrew Paul Beougher	Ames		Curtis Michael LaBarge	Anamosa
	Narimdinda Robert Yann Bouda	Urbandale		Cassandra Ane Liebl	Richmond, Minn.
	I-Chun Chao	Taipei, Taiwan		Joshua N. Luff	Garland, Neb.
	Timothy Fredrick Conrad	Lamoni	*	Xuetong Mao	Shijiazhuang, China
	Brent Frederick Cornelius	Fairbanks, Alaska		Tomas Conrad Mullins	Fort Dodge
*	Jonathan Davis Driggs	Mount Vernon		Richard Alan Page Jr.	Omaha, Neb.
**	Nicholas David Everett	Roseville, Mich.		Robert Colin Ray	Cedar Rapids
	Yury Alekseyevich Fedorov	Johnston		Michael Allen Steffen	Bettendorf
	Francis Favis Ferrer	Geneva, Ill.		Damek Klubal Svec	Des Moines
	Jennifer Michelle Grubb	Cottage Grove, Minn.		Anthony Wayne Swope III	Ames
	Andrew George Gurik	Peoria, Ill.	*	Amairani Jacqueline Tapia	Sibley
	Colin D. Hicks	Iowa City	*	Shusheng Xu	Suzhou, China
				Shan Zhong	Changsha, China

### Curriculum in Industrial Engineering

	Jon Lee Baumgarten	Bettendorf		Nicholas David Morris	Crystal Lake, Ill.
	Alan Wayne Bentley	Vinton		Tyler James Niederhauser	West Des Moines
	Sydney Leah Brady	Sioux City		Aaron Christopher Rasell	Austin, Minn.
	Adam James Brandt	Ames		Jaryd Dean Rowley	Marshalltown
	Robert Michael DeGeorge	Kansas City, Mo.		Qinpeng Ruan	Shenzhen, China
	Stephanie Leigh Edmunds	Cedar Rapids		Gregory Joseph Tomka	Omaha, Neb.
	Andrea Taylor Fors	Fort Dodge	*	Kelley Peterson Voss	Kent, Wash.
	Mitchell Stephen Hein	Sioux City		Holly Alexa Walker	Colo
*	Alex Thomas Kelly	West Point, Neb.		Wesley Scott White	Van Horne
	Ruey Yih Loh	Kuala Lumpur, Malaysia		David Thomas Zimmerman	Bettendorf
	Chan Young Maeng	Guri, South Korea			

### Curriculum in Materials Engineering

	Jason William Bergman	Shoreview, Minn.		Garrett Alan Olson	Toledo
	Trevor James Dobbs	Woodbury, Minn.		Timothy J. Pearson	Ankeny
*	Caitlin Elizabeth Krabbe	Marshalltown			

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

## Curriculum in Mechanical Engineering

	Kabbod Alkhalil	Ames	Grant Matthew Kerkman	Omaha, Neb.
***	Benjamin John Allen	Urbandale	Kelsey Elizabeth Larson	Shoreview, Minn.
	Daniel Robert Baldwin	Waukesha, Wis.	Kyle Lester Lensch	Lime Springs
*	Austin Lee Begg	Huxley	Bolun Li	Ezhou, China
	Clarence Albert Boright	Williston, Vt.	*** Dao Yan Lim	Subang Jaya, Malaysia
	Benjamin Dean Brabant	Eldridge	*	Nicholas Gene Ludwik
	Benjamin W. Bramer	Bettendorf		Andrew Kenneth Lyons
	Ethan James Brinegar	Moulton		Wonjune Mah
***	Matthew Allen Burmeister	Davenport	*	Ryan Glenn McCleish
	Diego Alejandro Camargo Maldonado			Joel Benjamin Metheny
	Guo Dong Chua	Puchong, Malaysia		Timothy Charles Mildenerger
	Emily Anne Coffman	Independence		Smithville, Mo.
	Neil Patrick Creegan	Mount Morris, Ill.		Matthew F. Mottet
	Andrew Jacob Dennis	Des Moines		Chelsea Louise O'Connor
*	Mark Allen DeShaw	Hopkinton		Ryan Patrick Pecinovskyy
	Daniel Bulfer Donatucci	Roseville, Minn.		Jared Michael Peterson
	Jacob Martin Dykstra	Omaha, Neb.		Bryan M. Petty
***	Brett Christopher Ebert	Davenport		Jordan Jesse Radaj
	William James Edgmond	Muscatine	*	Nathan William Risius
***	Clark Joseph Ennis	Ames		Christopher Lee Roling
	Patrick Micheal Douglas Flaherty	Murray		Benjamin R. Rome
***	Eric Mark Forbes	Park Ridge, Ill.		Alex Scott Ruggeberg
	Mark Joseph Friel	Ames		Tricia Alexis Salinas
	Alex Michael Fullenkamp	West Point		Eric Daniel Schluttner
	Shane T. Gerkin	Sioux City		Mark Shehata
	Jordan Douglas Gheer-Bertrand	Camanche		Craig Matthew Sink
**	Robert Owen Gowdy	Red Oak		Riley Benjamin Thiesfeld
*	Mark Robert Hansen II	Odebolt		Coady Thompson
	Jeremy Steven Hanson	Dell Rapids, S. Dak.	***	Mark Joseph Trost
*	Katherine Marie Harms	Cedar Rapids		Jake Ryan Trullinger
	Brian Patrick Hubbard	Rochester, Minn.		Heidi Elizabeth Turner
	Sean Michael Huebotter	Quincy, Ill.		Brody James Upah
	Elliot Knapp Hunt	Fort Collins, Colo.		Adam Douglas Walker
	Justin Shane Huntington	Peosta		Jared Thomas Weatherall
	Jordan Lee Iliff	Norwalk	*	Steven A. Weinert
	Philip James Jackman	Ames		Allison Marie White
	Nitin Jagwani	Dubai, United Arab Emirates		Jacob Daniel Wiedemeier
	Brad Lee Johnson	Spring, Tex.		Karl Lloyd Youngdahl
*	Douglas Harold Johnson	Alexandria, Minn.	*†	Ruisi Zhang
	Jeffrey Sherman Jones	North Liberty	**	Hui Zhou
	Tory A. Jung	Wyoming, Minn.		Zhichen Zhu
	Noah David Kadera	Lake Villa, Ill.		Marc Henry Zinda
				Willmar, Minn.

## Curriculum in Software Engineering

Kimberly Eve Eue	Radcliffe	Adam Palmer Rotondi	Fairfield
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\* Cum Laude  
 \*\* Magna Cum Laude  
 \*\*\* Summa Cum Laude  
 † Honors Program

## Multiple Curricula and Majors

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\*\*\*†Pavel I. Beresnev Ames  
*Civil Engineering and Liberal Arts and  
 Sciences: Major in French*

Daniel T. Chrusciel Ames  
*Industrial Engineering and Liberal Arts and  
 Sciences: Major in German*

\*\*\* Maria Catherine Hannasch  
 Apple Valley, Minn.  
*Construction Engineering and Liberal Arts  
 and Sciences: Major in German*

YunJ. Jeong Aurora, Ill.  
*Industrial Engineering and Business: Major  
 in Management*

Colton Marshall Kennedy  
 Coeur d'Alene, Idaho  
*Mechanical Engineering and Liberal Arts  
 and Sciences: Major in Mathematics*

Brandon Lee Malaise Waterloo  
*Mechanical Engineering and Liberal Arts  
 and Sciences: Major in Spanish*

Jan Schroeder Wheaton, Ill.  
*Industrial Engineering and Liberal Arts and  
 Sciences: Major in Economics*

Luke Arthur Swanson Burnsville, Minn.  
*Mechanical Engineering and International  
 Studies*

\* Christine Lai-Yin Yee Omaha, Neb.  
*Civil Engineering and Liberal Arts and  
 Sciences: Major in Spanish*

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

# 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

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Rachel Ruth Anderson	Schaller	Jaden LuAnna Nissly	Iowa Falls
** Lauren Nicole Kasperski	O'Fallon, Mo.	Tessa Marie Ready	Arlington Heights, Ill.
** Nicole Christine McLellan	West Des Moines	Angela Jo Rust	Mason City

### Curriculum in Apparel Merchandising, Design, and Production

---

Kaitlin Elizabeth Cole	Urbandale	Jacqueline C. Mu	Bettendorf
Nicole Louise Conn	Centennial, Colo.	Morgan Marie Northway	Altoona
Caitlin Alice Corbett	Ankeny	Ashley Ann Olberding	Dyersville
Brittney Nicole Fairholm	Winterset	Jane Anne Gallo Seagren	Mount Pleasant
Mietka Renee Head	Chicago, Ill.	** Megan Marette St. Germain	Des Moines
Katelyn May Herlein	Ankeny	Breanna Aryn Steffen	Altoona
Anne Ruth Horneck	Wauwatosa, Wis.	Rachel Lynn Stokely	Bondurant
Katelyn Elizabeth Howe	Johnston	Taylor Dianne Walters	Creston
Hsiu-An Hu	Taichung, Taiwan	** Alexa Nicole Wilmore	Johnston
Alicia Louise Jacobs	Ames	Russell Leonard Wright	Atlanta, Ga.
Sarah Jean Jennings	Jackson, Minn.	Jiali Zhang	Shaoxing, China
Anna Clarice Moody	Des Moines	Yining Zhang	Qingdao, China

### Curriculum in Athletic Training

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Zane Paul Brugenhemke	Council Bluffs
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### Curriculum in Child, Adult, and Family Services

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Alexa Rae Ashcraft	Eldridge	Russell Kone Lovan	Des Moines
** Katy Lynn Betten	Twin Lakes	** Kristi Jill Mortvedt	Story City
Anna Rose Brubaker	Waukon	Jessie Rae Murphy	West Des Moines
Lisa-Victoria Maria Castillo	Ames	Jesse Joseph John Negrete	Belmond
Kirsten Renae Ellermann	Waterloo	Staci Lynn Orsini	Heislerville, N.J.
Valerie Suzette Gord	Dakota City	Tara Megan Parrott	Grinnell
Renae Louise Greenlees	New London	Elisabeth Anne Peters	Marshalltown
Katelynn Dawn Hall	Waukee	Jared Lee Phillips	New Sharon
Brianne Nicole Hayes	Oskaloosa	Renee Michelle Ratliff	Iowa City
Katie L. Heuer	Allison	Morgan Lea Scheppler	Ames
Alana Lorraine Hurst	Saint Charles	Laura Elizabeth Schultz	Roland
Hilary Faith Klever	Audubon	*** Abby Marie Sohn	Perry
Kaylie Danielle Kraayenbrink	Decorah	Katelyn Marie Thompson	Jefferson
Amanda Marie Lawrence	Eden Prairie, Minn.	Mallory Evelyn Tinglov	Saint Paul, Minn.
Laura LoVan	Spencer		

### Curriculum in Culinary Science

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***† Lauren Marie Ingebrand	Mahtomedi, Minn.	Rebecca Irene Swegle	Nevada
Kayla A. Marsh	Maquoketa		

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

## Curriculum in Dietetics

Melissa K. Lau	<i>Kuala Lumpur, Malaysia</i>	Alissa L. Nguyen	<i>Burnsville, Minn.</i>
Peter Alexander Naschke	<i>Ankeny</i>	Shawn Lee Schwabe	<i>Stanwood</i>

## Curriculum in Early Childhood Education

Emily Renee Amundson	<i>Radcliffe</i>	** Chelsea Dawn Kooiker	<i>Collins</i>
** Stephanie Jean Bender	<i>Rock Rapids</i>	Emily Sue Kremer	<i>Iona, Minn.</i>
** Samantha Renee Butler	<i>Ankeny</i>	** Kristi Jill Mortvedt	<i>Story City</i>
***† Melissa Erin Clucas	<i>Rochelle, Ill.</i>	*** Melissa Ruth Mulder	<i>Marshalltown</i>
**† Kara Terese Fisher	<i>Cedar Falls</i>	Sarah Margaret Schildtknecht	<i>Des Moines</i>
*** Megan Michelle Hankins	<i>Ankeny</i>	Sarah Elizabeth Schneider	<i>Marion</i>
Katherine Anne Hedgpeth	<i>Omaha, Neb.</i>	Stephanie Jean Sperfslage	<i>Coggon</i>

## Curriculum in Elementary Education

Ian Michael Allen	<i>Ames</i>	* Andrew M. Koshatka	<i>Cedar Rapids</i>
Tricia Ann Bettcher	<i>Dubuque</i>	Brittney Lee Krummel	<i>Walnut</i>
* Robyn Katheleen Bredvick	<i>Storm Lake</i>	Rebecca Janet Leonard	<i>Slater</i>
Marcie Joelle Brinkman	<i>Rolfe</i>	Felicia Marie Magee	<i>Des Moines</i>
** Holly Anne Buck	<i>Denison</i>	* Ashley Marie Culver Moore	<i>Menlo</i>
Amanda Ellis Cavanaugh	<i>Storm Lake</i>	Jordan Janel Myers	<i>Underwood</i>
Kendra Sue Christiansen	<i>Huxley</i>	Laura Shileen Ostergren	<i>Monument, Colo.</i>
Sara Ann Conklin	<i>Eldridge</i>	Krystal Elizabeth Page	<i>Osceola</i>
Breanne Denise Determan	<i>Clinton</i>	Megan Elizabeth Pickles	<i>Zearing</i>
Teri Lynn Durbala	<i>West Des Moines</i>	Elizabeth Ann Piper	<i>Bloomfield</i>
* Heather Lynn Flugstad	<i>Bloomington, Minn.</i>	Michelle Elizabeth Rasmussen	<i>West Des Moines</i>
Mari Therese Fournier	<i>Ames</i>	Renee Michelle Ratliff	<i>Iowa City</i>
Katie Therese Freking	<i>Le Mars</i>	Charissa June Register	<i>Ames</i>
Lauren Kelsey Grogan	<i>Omaha, Neb.</i>	Catherine Riesselman	<i>Ames</i>
** Katie Cheyenne Halbur	<i>Manning</i>	Samuel Miles Ruppert	<i>Ames</i>
Eric David Hammans	<i>Urbandale</i>	Leah Ryan	<i>Marion</i>
Evan Richard Hammans	<i>Urbandale</i>	Alexandra Christine Schill	<i>Gowrie</i>
Kayla Ann Hammen	<i>Fonda</i>	* Abigail Louise Smith	<i>Storm Lake</i>
Alison Luree Hayes	<i>Webster City</i>	Bailey Rachael Speer	<i>Urbandale</i>
Brittany Taylor Jennings	<i>Urbandale</i>	* BreAnne Paige Spencer	<i>Des Moines</i>
Frances Irene Johnson	<i>Mason City</i>	Evan DeLoss Stone	<i>Johnston</i>
Shannon Christine Judas	<i>Rockwell City</i>	Laura Elizabeth Thiele	<i>Dysart</i>
Courtney Lynn Kammerer	<i>Mason City</i>	Aliesha Jean Tibbles	<i>Perry</i>
* Emily Marie Kenneke	<i>Davenport</i>	***† Amy Elizabeth VanWagenen	<i>Elgin, Ill.</i>
* Danielle Elizabeth Kenworthy	<i>West Des Moines</i>	* Lindsey Nicole Weis	<i>Woodbine</i>
Chelsea Renee Killins	<i>Newton</i>	* Mallory Lyn Wenck	<i>Carroll</i>
* Keri Ann Kleinschmit	<i>Clive</i>	Alexandra Marie Willman	<i>Marshalltown</i>

## Curriculum in Event Management

Alyssa Joye Giancola	<i>Dubuque</i>	Katelyn Elizabeth Howe	<i>Johnston</i>
Caitlin Colette Grasso	<i>Sioux City</i>	* Megan Lynn Main	<i>Muscataine</i>
Paige Ellen Henning	<i>Hartwick</i>	Emily Anne Walker	<i>Waverly</i>

\* *Cum Laude*

\*\* *Magna Cum Laude*

\*\*\* *Summa Cum Laude*

† *Honors Program*

## Curriculum in Family and Consumer Sciences Education and Studies

**	Laura Rose Beaver	Clarinda	Christian Louis Carper	Silver City
*	Paige Nicole Bolton	Melbourne	Jennifer Lynn Kuehn	Ionia
*	Kelsey Jo Feltz Box	Liscomb	*** Courtney Rae Roll	Radcliffe

## Curriculum in Family Finance, Housing, and Policy

Tyler Matthew Bailey	Ames	Maira Garcia	Tama
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## Curriculum in Food Science

Jessamy Michaela Adams	Delavan, Wisc.	Alex Michael Sash	Ames
Muhammad Nur Luqman Bin Hamdan		Tze Pin Tan	Bukit Mertajam, Malaysia
	Raub, Malaysia	* Yu Ting Tang	Johor Bahru, Malaysia
Stephen J. Garnes	Ames	Laura Kathleen Wooster	Omaha, Neb.
***† Lauren Marie Ingebrand	Mahtomedi, Minn.		

## Curriculum in Hospitality Management

Tyler John Grundmeier	Carroll	Jacob Ray Thompson	Ogden
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## Curriculum in Hotel, Restaurant, and Institution Management

Mary Ruth Mickelson	Kelley	Evan Arthur Summa	Johnston
Zachary Warren Moses	Ames	Emily Alison Vogl	Atlantic
Jennifer Emily Layton Stevenson	Boone		

## Curriculum in Kinesiology and Health

Brian J. Anderson	Story City	Joseph Michael Longobardi	Iowa Falls
David Michael Arends	Saint Charles, Ill.	* Chelsea Elise Loprinzi	Rochester, Minn.
Charley Daniel Bailey	Sioux City	* Ryan James Lynch	Byron, Ill.
Samuel David Baker	Hawarden	Sara Michelle Mastantuono	Oak Forest, Ill.
Adam Lincoln Becker	Fort Dodge	Grant Levi Mastbergen	Sioux City
Kandace Delia Beller	Leighton	Mary Alice McAtee	Bonaparte
** Nicholas John Berger	Westside	Daniel Peter Meegan	McHenry, Ill.
Andrew William-James Bush	Belvidere, Ill.	** Jason Jon Miller	Coon Rapids
Courtney Nicole Calahan	Crystal Lake, Ill.	Thomas Michael Miller	Arlington Heights, Ill.
Cassandra Celeste Cleveland	Audubon	** Meaghan Elizabeth Nelson	Cedar Rapids
Lauren Marie Devereaux	Ankeny	Addison Kevin Patrick	Carroll
Meredith Ann Doran	The Woodlands, Tex.	Jeffrey Robert Plaster	Cedarburg, Wis.
*** Rebecca Anne Dubberke	Nevada	Christopher James Severn	Glenwood
Jennifer Ann Garter	Bettendorf	Rachel Joy Thomas	Badger
Christopher Reid Groenendyk	Pella	Johnathan Andrew Underberg	Eagle Grove
Lauren Frances Hall	Saint Joseph, Mo.	Matthew Kevin Van Dyke	West Des Moines
Brandon Leigh Hansen	Rockwell City	* Anna Marie Waters	West Branch
Justin Lee Heth	Des Moines	Brandon John Weaver	New Virginia
* Kyle Leo Ingwersen	Lake Park	Travis Jordan Wetzel	Humboldt
Jay Michael Jensen			
Brock Jade Johnson	Northwood		

\* Cum Laude

\*\* Magna Cum Laude

\*\*\* Summa Cum Laude

† Honors Program



## Curriculum in Nutritional Science

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\* Alexandra Nicole Rathje      Marshalltown      Katherine Joanne Suckow      Waukeez  
Carter Lew Roberts      Bettendorf

## Multiple Curricula and Majors

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Katelyn Darlene Bice      Adel  
*Apparel Merchandising, Design, and  
Production and Business: Major in  
Marketing*

Lyndsey Riann Johnson      Dunkerton  
*Family Finance, Housing, and Policy and  
Family and Consumer Sciences Education  
and Studies*

Dylan Thomas Eagle      Muscatine  
*Hotel, Restaurant, and Institution  
Management and Business: Major in  
Management*

\*\* Laura Catherine Liechty      Winterset  
*Dietetics and Global Resource Systems*

Lauren Marie Jessen      Mendota Heights, Minn.  
*Event Management and Hospitality  
Management*

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

# CANDIDATES FOR DEGREES FROM THE COLLEGE OF LIBERAL ARTS AND SCIENCES

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## BACHELOR OF ARTS

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### Curriculum in Liberal Arts and Sciences

#### Major in Advertising

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* Alexandria Lynn Cloutier	Savage, Minn.	Morgan Elizabeth Roberts	
Luke Allen Elzinga	Wisconsin Rapids, Wis.		Minnetonka, Minn.
Abigail Lynn Emmons	Norwalk	Angelia Rose Schmidt	
Phap Quang Lam	Johnston		Columbia Heights, Minn.
Chloe Lim	Selangor, Malaysia	Isaac Oswald Schmidt	Treynor
Eric Alexander Olguin	Johnston	** Megan Lynn Sweeney	Belle, Mo.
Jordon Paul Ramsdell	Burlington	Evonna N. Sweis	Naperville, Ill.

#### Major in Anthropology

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Katherine Meredith Bruns	Urbandale	Melissa Grace Dickey	Ames
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#### Major in Biological/Pre-Medical Illustration

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Brandon Lee Holt	Ames	Phyllis Ann Shimon	Ames
** Rose Marie Perry	Marenisco, Mich.		

#### Major in Chemistry

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Christopher John Hoisington	West Des Moines
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#### Major in Communication Studies

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Carson James Aden	Fort Dodge	Britleigh Cheyanne Martin	Panora
Michael Allan Bangtson	Cedar Falls	** Erin Joy Mock	Storm Lake
Alexandra Elizabeth Bowles	Libertyville, Ill.	** Ariel Elizabeth Nichols	Winterset
Lucas Samuel Crawford	Grinnell	Jason Pacheco	San Jose, Calif.
John Richard Gray	Johnston	Jordin Sue Parker	Centennial, Colo.
Jennifer Lynn Haldin	Sioux Rapids	Sarah Grace Patras	Mason City
Kurt M. Hammerschmidt	Chesterfield, Mo.	Mariah Carolyn Rud	Fargo, N. Dak.
Hannah Marie Hoover	Le Grand	Mark Joseph Runkel	Des Moines
Derek James Jensen	Pella	Jordan Linn Shipley	State Center
Kyle Kawika Kaiahua	Kailua, Hawaii	Michaela Marie Sickmann	Big Lake, Minn.
Lauren J. Kennewell	Flower Mound, Tex.	Nathan Hal Tucker	Storm Lake
Pui Mun Lau	Kuala Lumpur, Malaysia	Rachel Gayle Wirth	Story City
Grant Elliott Mahoney	Marion	Carla Nicole Zeller	Bancroft

#### Major in English

---

** Ali Elizabeth Abshier	Council Bluffs	* Kelsey Marie Duhropf	Carroll
Linda Nicole Breuer	West Union	* Sarah Ann Dunphy	Fort Dodge
* Erick Mark Burdock	Knoxville	Christina D. Elliott	
Heather Joyce Deaton	Huxley	* Emily Ann Kienzle	Cedar Falls
Levi DeYounge	Hampton	Alicia Genevieve Kus	Chicago, Ill.
Dustin Layne Dowell	Runnells	** Katelynn Grace MacRunnel	Pella

\* Cum Laude

\*\* Magna Cum Laude

\*\*\* Summa Cum Laude

† Honors Program

***	Krista Marie Nielsen	Houston, Tex.	Daniel Andrew Turner	Ankeny
**†	Jennifer Elizabeth Paul	Midland, Mich.	Marcus Francis Upchurch	Waukee
	Kesley Ann Raibikis	Des Moines	*** Kirk Marshall Wilkins	Ames
***	Addison Donlea Sadler	Reinbeck	Clint D. Wilson	Grimes
*	Alexandra Leigh Stanislav	Urbandale	* Jamie Christine Wirtjes	Hampton
**	Andrea Dawn Stoullil	Havelock		

### Major in German

Tabitha Lyn Locke	Cedar Rapids
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### Major in History

Matthew McKinnon Doig	Ankeny
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### Major in Interdisciplinary Studies (Criminology and Criminal Justice)

Jeffrey James Addabbo	Bettendorf	** Layla J. Rysavy	Jefferson
Chassidy Carlisle Cole	Amarillo, Tex.	Michael Jacob Sexton	Bolivar, Mo.
Jeffrey Thomas Hemmer	Polk City	Jerome Alexander Tiller	San Antonio, Tex.
Christopher Patrick Keene	Lansing, Ill.	Jennifer Jewel Tostlebe	Ankeny
Courtney Tené Leonard		Nathan Andrew Von Fumetti	Johnston
Matthew Ryan Lutjen	Nevada	Jordan Andrew Wall	Fort Dodge
Robert Douglas Patterson	Colfax	Scott Daniel Williams	Des Moines

### Major in Linguistics

Rhaechel Elizabeth Ohge	Boone	* Monica Clare Van Horn	West Union
Mallory Justine Peters	Avoca		

### Major in Music

** Holly Anne Buck	Denison	Joseph T. Schwartz-Baringer	
Brandon Isaac Kowalsky	Urbandale		Valley Center, Calif.
Ryan Joseph Schroeder	Cedar Rapids		

### Major in Performing Arts

Taylor Daniel Clemens	Elkader
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### Major in Philosophy

Russell Manske	Cedar Rapids	Brian David Thompson	Belmond
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### Major in Political Science

* Thomas Wayne Arnold	Northville, Mich.	Justyn Bryant Lewis	Des Moines
Darrell Lavon Borntreger	Kalona	Sean Patrick McCarthy	Omaha, Neb.
Jennifer Michelle Dominguez	Lubbock, Tex.	Stuart Michael Miller	Silver City
Christopher Nicholas Durand	Urbandale	Sarah Grace Patras	Mason City
Daniel Warren Fessler	Clear Lake	Jennifer L. Rickert	Apple Valley, Minn.
Jared Nathaniel Godby	Moravia	Kyle J. Sloup	Omaha, Neb.
Andrew Loren Grutzmacher	New Virginia	James Patrick Wells	Pleasant Hill
Michael Donald Kelly	Boone	William Garrett Young	Saint Charles

\* Cum Laude

\*\* Magna Cum Laude

\*\*\* Summa Cum Laude

† Honors Program

## Major in Psychology

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** Erin Elizabeth Anderson	Clarion	* David Paul Miller	Silver City
* Michael D. Bragg	Des Moines	Emily Michelle Stout	Perry
Jocelyn Karina Braymen	Ames	Whitney Grace Tocheri	Marshalltown
Jesse Aaron Godfrey	Polk City	Haylee C. Wyman	Centerville
Kaylee Jean McCreary	Hoffman Estates, Ill.		

## Major in Religious Studies

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Emily Erin Martin	Davenport	Jessica Sue Walsh	Ankeny
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## Major in Sociology

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Hayden Nicholas George	Des Moines	Michael Jacob Sexton	Bolivar, Mo.
Mallory Louise Hall	De Witt		

## Major in Spanish

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Kayla Ann Hopper	Adel	** Sarah Jane Nelson	Decorah
** Jonathan Campbell Larson	Ames	** Rose Marie Perry	Marenisco, Mich.
*** Michelle Irene Maynes	Lenox	Emily Michelle Stout	Perry

## Major in World Languages and Cultures (French)

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** Jeff Charles McBrayer	North Muskegon, Mich.
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## Major in World Languages and Cultures (German)

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Michael Lee Cook	Stuart
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## Major in World Languages and Cultures (Spanish)

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Taylor Alison Huston	Boone	***† Mischa Alana Olson	Iowa City
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## Multiple Curricula and Majors

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Andro Mabyor Anguey	Des Moines	Kelsea Morann Fletcher	Osceola
Political Science and International Studies		Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology	
Jose Luis Chavez	Chicago, Ill.	Shelby Elizabeth Forsythe	Fort Dodge
Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology		Psychology and Interdisciplinary Studies (Criminology and Criminal Justice)	
Sarah Lauren Constable	Urbandale	Kirk David Galster	De Witt
Communication Studies and Speech Communication		Political Science and International Studies	
Katherine Sarah Drew	Mason City	** Ryan J. Howe	Ankeny
English and Business: Major in Marketing		Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology	
** Samuel Theodore Eppink	Urbandale		
Political Science and International Studies			

\* Cum Laude

\*\* Magna Cum Laude

\*\*\* Summa Cum Laude

† Honors Program

Haley Rose Hutton	Ankeny	Rebecca Gene Nation	Ogden
<i>Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology</i>		<i>Linguistics and International Studies</i>	
** Daniel Joe Johnston	Ames	Amanda Sue Perdue	Ames
<i>Political Science and Philosophy</i>		<i>Political Science and History</i>	
Kristin Diane Kimm	Mount Vernon	Anna Michelle Schwalenberg	Polk City
<i>Speech Communication and Religious Studies</i>		<i>Psychology and Interdisciplinary Studies (Criminology and Criminal Justice)</i>	
Molly Rose Littman	Eden Prairie, Minn.	Christy Marie Suesakul	
<i>Speech Communication and Political Science</i>		<i>Political Science and Sociology</i>	
Carah Ambay Mabry	Waterloo	Diana Kathryn Wright	Clear Lake
<i>Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology</i>		<i>Advertising and Business: Major in Marketing</i>	

## BACHELOR OF LIBERAL STUDIES

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### Curriculum in Liberal Studies

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Alissa Nicole Atkinson	Council Bluffs	Marni Leigh Jacobsen	Spencer
Levi Cody Baber	Boone	Steele Patrick Jantz	Nevada City, Calif.
Toni Marie Boyle	Manning	Lori Michelle Johnson	Des Moines
Kyle Andrew Caffrey	Ankeny	Malissa Ann Klinger	Roland
Jason Nathaniel Carlson	Minneapolis, Minn	Richard Glen Klismith	Earlham
Lucy Kay Christensen	Carter Lake	Benjamin James Knutson	Marshalltown
Kimberly J. Cobb	Panora	*** Brenda Jean Luster	Des Moines
Tyler David Coiner	Davenport	Roosevelt Maggitt	Riviera Beach, Fla.
Nathan David Cork	Clear Lake	Paul Donald Maxheimer	Clarion
Leah Paige Destival	Jefferson	Rony Nelson	Ames
Alvin Garnett IV	Carson, Calif.	Tyler Jacob Polkinghorn	Moville
Matthew Lee Githens	Dallas Center	Laura A. Schmitt	Colfax, Wis.
Lucas William Goodson		Andrew Mark Scott	Ankeny
Christine Alicia Griffin	Chicago, Ill.	Cicely Yvonne Shaw	
Jace Russell Hawley	Vail	Nicholas Schaa Smith	Jewell
Aisha Marie Henison	Roselle, Ill.	Nicole Brianna Stafford	Perry
Jason Austin Hough	Urbandale	Christopher Allen Young	Austin, Tex.
Ricky Dale Howard	Hesperia, Calif.	Jennifer L. Zimmerman	Ames

## BACHELOR OF MUSIC

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### Curriculum in Music

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** Emily Marcene Doerder	Bettendorf	** Rachel Marie Petsche	Epworth
Aaron Wesley Hofmeyer	Paullina	Victoria Ilene Pioszak	New Port Richey, Fla.
** Holly Sun Mee Kauffman	Boxholm	* Anne Kathleen Today	Ames

## BACHELOR OF SCIENCE

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### Curriculum in Software Engineering

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Kimberly Eve Eue	Radcliffe	Adam Palmer Rotondi	Fairfield
* Cum Laude			
** Magna Cum Laude			
*** Summa Cum Laude			
† Honors Program			

# BACHELOR OF SCIENCE

## Curriculum in Liberal Arts and Sciences

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### Major in Anthropology

---

* Sven Aaron Frier	Washington	*** Amanda J. Schrank	Nevada
Shala Ann Hawes	Montrose	Amanda Marie Vellinga	Waukee

### Major in Biochemistry

---

** Johanna C. Bailey	Peculiar, Mo.	** Elizabeth Ann Moschke	Waterloo
** Ryan Earl Bailey	Charles City	Cynthia Salas Salgado	Ventura, Calif.
Clifford Earl DeMaris II	Des Moines	Le Song	
Jia Yi Liew	Singapore	Lei Wang	Hangzhou, China
Joseph Lonyida Lomoti	Ames		

### Major in Biology

---

*** Ryan Pei-Yen Cheng	Hong Kong, China	***† Mischa Alana Olson	Iowa City
Zhuxiao Gu	Nanjing, China	* Zachary Allen Pederson	West Des Moines
Stephanie Marie Guiheen	South Elgin, Ill.	** Christopher Edward Schmidt	Whittemore
Matthew Robert Kuchay	Tinley Park, Ill.	Elizabeth Anne Schrum	Indianola
Sean Alan Lang		Phyllis Ann Shimon	Ames
* Charles Basebase Law	Albert City	Amy Nicole Stover	Grimes
Christopher Michael Ludwig	Corwith	*** Robert Kerwin Strother	Union

### Major in Chemistry

---

* David William Coberly Jr.	Council Bluffs	Kelsey Layne Larson	Cedar Rapids
Jacob Robert Holmstrom	Minneapolis, Minn.	Kevin Jerome Schwarz	Lake Elmo, Minn.

### Major in Computer Science

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** Trenton Wayne Anagnostopoulos	Le Claire	Anthony Dean Massarini	Nevada
*** Tyler Ray Bell	Marshalltown	Tyler Ray Mixson	Rome, Georgia
Michael Philip Citak	Woodbury, Minn.	Mark Moen	Marion
Dagár Davlétov	Aktobe, Kazakhstan	Jacob Ekeke Monono	Omaha, Neb.
Joseph James Evans	Johnston	Aaron David Nicoletto	Des Moines
Nathan M. George	Humboldt	Sidney Robert Pitt	Boone
Max Christian Harney	Arlington Heights, Ill.	Joseph T. Schwartz-Baringer	Valley Center, Calif.
Chenguang He	Beijing, China	Sen Tan	Wendeng, China
Jay Ping Chuen Hong	Malaysia	Jang Ho Yoon	Seoul, South Korea
Samat Iskazyev	Aktobe, Kazakhstan	Qiyu Zhao	Jinan, China
Eric Y. Lin	Taipei, Taiwan		

### Major in Economics

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Upabali Das Sarma	Kolkata, India	Jingjing Nie	Huangsham, China
Jeffrey Robert Knapp	Lino Lakes, Minn.	Odongi Oyuhai Odihak	Ames
Ismael Njoya Kouotou	Yaoundi, Cameroon	John Gregory Thelen	Des Moines

### Major in Environmental Science

---

* Andrew Christopher Apodaca	Earlham	Ziyang Wang	Hangzhou, China
Aubrey Charlotte Dalbec	Wadsworth, Ill.		

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

## Major in Genetics

---

Aislinn Grace D'Auben	<i>Bettendorf</i>	Schuyler Dean Smith	<i>Hinsdale, Mass.</i>
Jorge Giovanni Guzman	<i>Marshalltown</i>	Jorden Lindsey Welker	<i>Des Moines</i>
Allison Leigh Ruby	<i>Rochester, Minn.</i>		

## Major in Geology

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Kevin Joel Kresch	<i>Lindenhurst, Ill.</i>	Kale Schuler Snavelly	<i>Des Moines</i>
Megan Patricia Owen	<i>Sioux City</i>	Daniel Nicholas Zordell	<i>Dubuque</i>
Daniel Smart	<i>Wilmette, Ill.</i>		

## Major in History

---

Alexandra Leigh Bennett	<i>West Des Moines</i>	* Hannah Caroline Joslin	<i>Story City</i>
Elizabeth Mae Brott	<i>Lenox</i>	Jonathon Thomas LaCroix	<i>Sioux City</i>
Anthony Earle Davis	<i>Clarion</i>	Robert Leon Martin	<i>Ankeny</i>
Karen Ilene Douglas	<i>Slater</i>	Aaron Jon O'Tool	<i>Osceola</i>
Branten Alan Eckhart	<i>State Center</i>	Meredith Anne Pulsford	<i>Middlefield, Ohio</i>
David Alan Faux	<i>Ames</i>	Victor Octavio Sanchez	<i>Denton, Tex.</i>
Steven George Walker Gade	<i>Adel</i>	Anna Christine Toft	<i>Byron, Minn.</i>
Benjamin Alexander Grove	<i>West Des Moines</i>	*** Lena Marie Tommeraasen	<i>Ames</i>
Ross Jared Hackerson	<i>Ames</i>	Steven Jon Warden	<i>Pella</i>
Benjamin James Hurley	<i>Pleasant Hill</i>		

## Major in Journalism and Mass Communication

---

Rebecca Ann Bowen	<i>Waukee</i>	Catherine Anne Longnecker	<i>Cambridge</i>
Megan Kay Brandt	<i>Duncombe</i>	Cristobal Luis Matibag	<i>Ames</i>
Kristina Jumpathong Chadderdon	<i>Ames</i>	George Phillip Maze	<i>Swea City</i>
Cynthia Joy Frisch	<i>Sumner</i>	* Addria Clare Olson	<i>Burlington</i>
Grace Kristina Gardner	<i>Ames</i>	Miranda Rae Reeder	<i>Lawton</i>
Hannah Marie Gilman	<i>Cedar Rapids</i>	* Justyn Marie Sharp	<i>Norwalk</i>
Anna Kristine Goodman	<i>Story City</i>	Malinda Michelle Shultice	<i>Altoona</i>
Nicole LeAnn Gustafson	<i>Urbandale</i>	Alisha Michelle Siegel	<i>Grimes</i>
Leah Janelle Hansen	<i>Ames</i>	Meredith Anne Spragg	<i>Dunkirk, Md.</i>
Jody Lee Korthaus		Samuel John Turner	<i>Des Moines</i>
Samantha Ashley Liametz		Mckenzie Marie Vogt	<i>Winterset</i>
	<i>Mount Prospect, Ill.</i>	* Jesa Lavonne Wolthuizen	<i>Akron</i>

## Major in Mathematics

---

Hongtao Chen	<i>Shenzhen, China</i>	Jessica Lynn Goedken	<i>Farley</i>
Xinping Cong	<i>Yantai, China</i>	** Megan Ann Krumbholz	<i>Des Moines</i>
** Xiaolin Fan	<i>Dalian, China</i>	* Daniel James Reck	<i>Iowa City</i>
** Michael Lee Felderman	<i>La Motte</i>	David John Sappenfield	<i>Des Moines</i>
Laura Kathryn Frazier	<i>Denison</i>	Long Wang	
Nathan M. George	<i>Humboldt</i>		

## Major in Meteorology

---

Peter Anthony Effertz	<i>Janesville, Minn.</i>	Katherine Marie Meinig	<i>Paola, Kans.</i>
Devin Kyle Mastrodomenico	<i>Liberty, Mo.</i>		

\* *Cum Laude*

\*\* *Magna Cum Laude*

\*\*\* *Summa Cum Laude*

† *Honors Program*

## Major in Physics

---

**	Michael Lee Felderman	<i>La Motte</i>	Erik Isaac Timmons	<i>Polk City</i>
	Elizabeth Nathalie Sneitzer	<i>Cedar Rapids</i>		

## Major in Psychology

---

	Marisol Aguero	<i>Marshalltown</i>	**	Megan Ann Krumbholz	<i>Des Moines</i>
	Danielle Lee Baker	<i>Ellsworth</i>		Samuel G. Lassise	<i>Mason City</i>
	Manfred Alexander Brugger	<i>Des Moines</i>		Jennifer Lynn Luckey	<i>Kelly</i>
	Tansie Marie Carman	<i>Ogden</i>		Massah Larnu Massaquoi	<i>Des Moines</i>
	Kelly Murphy Connolly	<i>Urbandale</i>		Karly Shea McDonald	<i>Muscatine</i>
	Michaela Burke Devaney	<i>Omaha, Neb.</i>		Mary Virginia Overland	<i>Indianola</i>
	Andrew Robert Ellis	<i>Sisseton, S. Dak.</i>		Robert Douglas Patterson	<i>Colfax</i>
	Terry James Erlbacher	<i>Earling</i>		John Patrick Peddicord	<i>Osceola</i>
	Renaë Louise Greenlees	<i>New London</i>	*	Emily Danielle Royce	<i>Des Moines</i>
	Chantel Ann Gronner	<i>Dubuque</i>	**	Layla J. Rysavy	<i>Jefferson</i>
*	Courtney Kay Grotenhuis	<i>Urbandale</i>		Nicole Marie Sikkema	<i>Pella</i>
	Taylor MacKenzie Harrison	<i>Des Moines</i>	*	Erin A. Sobotka	<i>Ames</i>
	Michael Paul Hayes	<i>Bettendorf</i>		Anna Katherine Turosak	<i>Rochester, Minn.</i>
	Jordan L. Hefty	<i>Lu Verne</i>	*	Monica Clare Van Horn	<i>West Union</i>
** †	Charles Thomas Heidrick	<i>Eagan, Minn.</i>		Paul Eugene Von Tersch	<i>Indianola</i>
	Emma Marie Johnson	<i>Cedarburg, Wis.</i>		Pershaun Byron Wise-Mathis	<i>Harvey, Ill.</i>
	Samantha Starr Jenkins	<i>Plymouth, Minn.</i>		Pei Wen Yee	<i>Kuala Lumpur, Malaysia</i>
	Diana Marie Karavida	<i>Elk Grove Village, Ill.</i>			

## Major in Sociology

---

	Patrick Finnegan Amdahl	<i>Saint Paul, Minn.</i>		Jordan Spencer Hellriegel	<i>Frankfort, Ill.</i>
	Jessica Patrice Cameron	<i>Chicago, Ill.</i>	*	Andrea Dawn Raygor	<i>Woodward</i>
	Holly Prentiss Figueroa	<i>Omaha, Neb.</i>		Danielle R. West	<i>Dexter</i>

## Major in Statistics

---

	Chao-Chun Chang	<i>Kaoshung, Taiwan</i>		Kaija Marie Peterson	<i>Ames</i>
	Yanchao Jin	<i>Shanghai, China</i>		Jiaqi Wang	<i>Nanjing, China</i>
	Dane Andrew Korver	<i>Cedar Rapids</i>	*	Li Wang	<i>Shanghai, China</i>
	Yue Li	<i>Shanghai, China</i>	*	Zhenni Xue	<i>Suzhou, China</i>
	Rim Ngoy	<i>Des Moines</i>			

## Major in Technical Communication

---

	Kory Nicholas Cerjak	<i>West Des Moines</i>		Michael Webster Mulvihill	<i>Bettendorf</i>
	Stephanie Nichole Majors	<i>Boone</i>			

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



## Multiple Curricula and Majors

---

	Austin Katie-June Ballhagen	Parkersburg	**	Timothy Mark Reuter	Geneva
	<i>Journalism and Mass Communication and Political Science</i>			<i>Journalism and Mass Communication and International Studies</i>	
**	Samuel Theodore Eppink	Urbandale		Amanda Jade Ripley	Elkhorn, Neb.
	<i>Economics and Mathematics</i>			<i>Biology and Anthropology</i>	
	Nirmeen Mohammed Fahmy	Cedar Falls	**	Ashley Elizabeth Spicher	Nevada
	<i>Journalism and Mass Communication and International Studies</i>			<i>History and Anthropology</i>	
	Julia Jeanne Fullhart	Ames		Austin Jason Suiter	Eldridge
	<i>Anthropology and International Studies</i>			<i>Psychology and Political Science</i>	
	Benjamin Peter Hansen	Rochester, Minn.		Cole Elliott Tanner	Belmond
	<i>Physics and Communication Studies</i>			<i>Journalism and Mass Communication and Environmental Studies</i>	
*	Emily Elise Hejlik	West Des Moines		Stephen Michael Teasdale	Edina, Minn.
	<i>Journalism and Mass Communication and Communication Studies</i>			<i>Economics and Business: Major in Finance</i>	
	Megan Lea Hosford	Monticello		Karley Ann Wade	Ames
	<i>Biology and Environmental Studies</i>			<i>History and Anthropology</i>	
*	Scott Thomas Knight	Ankeny		Tianjiao Wang	Ames
	<i>Sociology and Environmental Studies</i>			<i>Statistics and Philosophy</i>	
	Lukas John Kollmorgen	Humboldt	*	Dain Morgan Whitacre	Glenwood
	<i>Economics and Mathematics</i>			<i>History and Political Science</i>	
	Ellyn Clare McGranahan	Dickens			
	<i>Sociology and Environmental Studies</i>				
	Andrew David Powers	Fort Madison			
	<i>History and Political Science</i>				

\* Cum Laude

\*\* Magna Cum Laude

\*\*\* Summa Cum Laude

† Honors Program

# IOWA STATE UNIVERSITY 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 2012-2013 Senior Class Council is comprised of 11 students who are dedicated to recognizing seniors for their many achievements.

This year's Senior Class Council has planned a number of programs for seniors including both Fall and Spring Senior Weeks, where seniors enjoy special tours and free food on campus; the Senior Package, a gift set that included commemorative Iowa State items; Grad Breakfast, a chance for seniors to relax and enjoy a meal served by ISU faculty and staff; Real Life Answers, a conference

for seniors to prepare them for life after graduation, and the Senior Send-off, a year-end event for seniors at the ISU Alumni Center to celebrate seniors' transitions to being alumni! The events that SCC plans and co-sponsors are intended to be both beneficial and enjoyable for seniors.

Finally, Senior Class Council always invites you and your families to return to the Iowa State Alumni Center following the Commencement Ceremony today as you are all now Alumni of Iowa State University!

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).

## 2012-2013 Senior Class Council Leadership

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President:  
Brittany Kuntz

Vice-President:  
Joseph Hora

Council Members:  
Brittany Becker  
Benjamin Zelle  
Adria Staky  
Stephen Prather

Kyle Zibrowski  
Jake Venner  
Katie Miner  
Brooke Barker  
Nickie Meyer

## CANDIDATES FOR COMMISSIONS

---

**The following students will be commissioned in the branch of service indicated:**

### United States Army

---

Bryan J. Donohue  
Derick E. Light  
Ryan J. Lynch  
Keegan L. Miesner  
Lucas F. Moore (summer 2012)  
Matthew S. Paulsen (summer 2012)  
Jacob A. Prest (summer 2012)

### United States Navy

---

Chad D. Hayes  
Christopher P. Keene  
Sean M. Vanosdale

### United States Air Force

---

Nicholas D. Everett  
Katherine M. Meinig  
Kevin R. Stoll



# Summer Commencement

Official List of Degrees  
Conferred August 4, 2012

IOWA STATE UNIVERSITY

# CANDIDATES FOR DEGREES FROM THE GRADUATE COLLEGE

---

## DOCTOR OF PHILOSOPHY

---

Prince Nii Agbedanu *Ames*  
B.S., Kwame Nkrumah University of Science  
and Technology;  
M.S., Norwegian University of Science and  
Technology  
Department: Biomedical Sciences  
Major: Biomedical Sciences (Pharmacology)  
Dissertation: Deorphanization of biogenic  
amine-responsive G protein-coupled  
receptors in various model protozoa and  
platyhelminthes

Siti Noridah Ali *Kuala Lumpur, Malaysia*  
Dipl., Universiti Pertanian Malaysia;  
B.S., Universiti Kebangsaan Malaysia;  
M.Ed., Universiti Teknologi Malaysia  
Department: Curriculum and Instruction  
Major: Education (Curriculum and  
Instructional Technology)  
Dissertation: Malaysian polytechnic  
lecturers' teaching practices with ICT  
utilization to promote higher-order  
thinking skills

Naeem A. Al-Oudat *Tafila, Jordan*  
B.E., Mutah University;  
M.Com.E., Yarmouk University  
Department: Electrical and Computer  
Engineering  
Major: Computer Engineering  
Dissertation: QoS and security-aware task  
assignment and scheduling in real-time  
systems

Satya Mohan Vamsi Andalam *Guntur, India*  
B.Tech., Indian Institute of Technology -  
Madras;  
M.S., *Ibid.*  
Department: Electrical and Computer  
Engineering  
Major: Electrical Engineering  
Dissertation: Optimal networked controllers  
for networked plants

†† Daniel Steven Andersen *Pine River, Wis.*  
B.S., University of Wisconsin-Platteville;  
M.S., Iowa State University  
Department: Agricultural and Biosystems  
Engineering  
Major: Agricultural Engineering  
Dissertation: Evaluating solids, phosphorus,  
and nitrogen cycling and transport in  
vegetative treatment systems used for  
runoff control on beef feedlots

§ Kira Marie Bailey *Huntington, W.Va.*  
B.A., Concord University;  
M.S., Iowa State University  
Department: Psychology  
Major: Psychology  
Dissertation: What would my avatar do?  
Video games and risky decision making

Christopher Paul Barlett *Overland Park, Kans.*  
B.S., Kansas State University;  
M.S., *Ibid.*  
Department: Psychology  
Major: Psychology  
Dissertation: Re-appraising the situation and  
its impact on aggressive behavior:  
Theoretical and applied implications

Amal Abdulkader Basaffar *Ames*  
B.Ach., King Abdul Aziz University;  
M.S., Kansas State University  
Department: Apparel, Events, and Hospitality  
Management  
Major: Family and Consumer Sciences  
Education  
Dissertation: Understanding the  
entrepreneurial potential of female Saudi  
Arabian family and consumer sciences  
students and businesswomen

Ranojoy Basu *Kolkata, India*  
B.Sc., University of Calcutta;  
M.Sc., Indian Statistical Institute  
Department: Economics  
Major: Economics  
Dissertation: Institutions and financial  
markets

Jacquelyn Ann Baughman *Des Moines*  
B.S., Iowa State University;  
M.B.A., Keller Graduate School of  
Management  
Department: Agricultural and Biosystems  
Engineering  
Majors: Industrial and Agricultural  
Technology and Biorenewable Resources  
and Technology  
Dissertation: Student professional  
development: Competency-based  
learning and assessment in an  
undergraduate industrial technology  
course

Karen Marie Bergh *Olympia, Wash*  
B.S., Washington State University;  
M.E., Lesley University  
Department: Apparel, Events, and Hospitality  
Management  
Major: Family and Consumer Sciences  
Education  
Dissertation: The national standards for  
teachers of Family and Consumer  
Sciences: An implementation and  
revision study

Axton Elliott Betz *Havana, Ill*  
B.S., Purdue University  
Department: Human Development and  
Family Studies  
Major: Human Development and Family  
Studies  
Dissertation: The experiences of adult/child  
identity theft victims

Qing Cao *Hengshan, China*  
B.E., University of Electronic Science and  
Technology of China;  
M.E., *Ibid.*  
Department: Materials Science and  
Engineering  
Major: Materials Science and Engineering  
Dissertation: Microstructure study of the  
rare-earth intermetallic compounds  
 $R_5(\text{Si}_x\text{Ge}_{1-x})_4$  and  $R_5(\text{Si}_x\text{Ge}_{1-x})_3$

†† Philip J. Carlson *Plainview, Tex.*  
B.S., Wayland Baptist University  
Department: Chemistry  
Major: Physical Chemistry  
Dissertation: The road not taken:  
Applications of fluorescence  
spectroscopy and electronic structure  
theory to systems of materials and  
biological relevance

Andrew Jennings Carrel *Boone*  
B.S., Iowa State University;  
M.S., *Ibid.*  
Department: Biomedical Sciences  
Major: Neuroscience  
Dissertation: The role of glutamatergic  
inferior olivary teaching signals in the  
acquisition of conditioned eyeblinks

Adolfo Alfredo Carrillo Cabello *Cerro Azul, Mexico*  
Licen., Benemerita University Autonoma de  
Puebla;  
M.A., Minnesota State University-Mankato  
Department: English  
Major: Applied Linguistics and Technology  
Dissertation: Examining language learners'  
roles and perceptions in the development  
of Intercultural Communicative  
Competence: An analysis of Intercultural  
Spanish language learning materials from  
an Activity Theory perspective

†† Heather Anne Caruthers *Derby, Conn.*  
B.S., Cedar Crest College;  
M.S., Iowa State University  
Department: Chemistry  
Major: Chemistry (Chemical Education)  
Dissertation: The impact of general  
chemistry course structure on students'  
exam performance, attitudes, and  
problem solving strategies

Yong-Il Cho *Suwon, South Korea*  
D.V.M., Chungbuk National University;  
M.V.M., *Ibid.*  
Department: Veterinary Microbiology and  
Preventive Medicine  
Major: Veterinary Microbiology  
Dissertation: Ecology of calf diarrhea in cow-  
calf operations

Robert Chase Cockrell *Whitefish, Mont.*  
B.S., Tulane University of Louisiana  
Department: Physics and Astronomy  
Major: Nuclear Physics  
Dissertation: *Ab Initio* nuclear structure  
calculations for light nuclei

Michael Eric Colvin *Pulteney, N.Y.*  
B.S., Unity College;  
M.S., University of Idaho  
Department: Natural Resource Ecology and  
Management  
Major: Fisheries Biology  
Dissertation: Impacts of non-native species in  
a shallow lake: A simulation modeling  
approach for restoration and  
management

- Mary E. Darrow *Ames*  
 B.S., University of Wisconsin-Platteville;  
 M.S.E, *Ibid.*  
 Department: Educational Leadership and  
 Policy Studies  
 Major: Education (Educational Leadership)  
 Dissertation: Engineering transfer student  
 leavers: Voices from the sidelines of the  
 engineering playing field
- Barbara Ellen Doering *Hubbard*  
 B.S., Drake University;  
 M.S.N, University of Phoenix  
 Department: Educational Leadership and  
 Policy Studies  
 Major: Education (Educational Leadership)  
 Dissertation: The phenomenon of the  
 educational transformation from  
 Registered Nurse (RN) to Bachelor of  
 Science (BS) of Nursing degree nurse
- †† Anton Vladimirovich Dubrovskiy *Moscow, Russia*  
 B.S., Russian Mendeleevs University of  
 Chemical Technology  
 Department: Chemistry  
 Major: Organic Chemistry  
 Dissertation: Novel aryne-mediated synthetic  
 methodologies
- Heather Dawn Edwards *Kearney, Neb.*  
 B.A., University of Nebraska-Kearney  
 Department: Chemistry  
 Major: Organic Chemistry  
 Dissertation: The design of fluororous  
 chemistry for a middle school classroom,  
 for carbohydrate microarrays, and for the  
 automated solution-phase synthesis of  
 bacterial oligosaccharides from Group A  
 Streptococcus and *Staphylococcus aureus*
- Adam Joseph Faeth *Ames*  
 B.S., Iowa State University;  
 M.S., *Ibid.*  
 Department: Electrical and Computer  
 Engineering  
 Majors: Computer Engineering and Human  
 Computer Interaction  
 Dissertation: Expressive feedback from  
 virtual buttons
- I-ju Fang *Kaohsiung, Taiwan*  
 B.S., National Taiwan Normal University;  
 M.S., National Taiwan University  
 Department: Chemistry  
 Major: Chemistry  
 Dissertation: Cellular membrane trafficking  
 of mesoporous silica nanoparticles
- Yuesi Fang *Ningbo, China*  
 B.S., Zhejiang University  
 Department: Chemistry  
 Major: Organic Chemistry  
 Dissertation: Synthesis of bioactive nitrogen-  
 containing heterocycles via aryne  
 methodologies
- Xuhui Feng *Dangyang, China*  
 B.E., University of Science and Technology of  
 China;  
 M.S., University of Nebraska-Lincoln  
 Department: Mechanical Engineering  
 Major: Mechanical Engineering  
 Dissertation: Thermophysical properties  
 study of micro/nanoscale materials
- Osama Bahig Gaballa *Giza, Egypt*  
 B.Met., Cairo University;  
 M.S., *Ibid.*  
 Department: Materials Science and  
 Engineering  
 Major: Materials Science and Engineering  
 Dissertation: Processing development of  
 4TaC-HfC and related carbides and  
 borides for extreme environments
- Nan Gao *Anyang, China*  
 B.E., China University of Mining and  
 Technology;  
 M.S., Southeast University  
 Department: Industrial and Manufacturing  
 Systems Engineering  
 Major: Industrial Engineering  
 Dissertation: Essays on product return  
 management and closed loop-supply  
 chain network design
- †† Berna Gercek-Swing *Tekirdag, Turkey*  
 B.A., Bogazici University;  
 M.A., *Ibid.*  
 Department: Psychology  
 Major: Psychology  
 Dissertation: Honor and shame in honor and  
 dignity cultures: How can you re-affirm  
 your own honor once it is tarnished?
- Trent Anthony Grundmeyer *Oelwein*  
 B.A., Buena Vista University;  
 M.S., Drake University  
 Department: Educational Leadership and  
 Policy Studies  
 Major: Education (Educational Leadership)  
 Dissertation: A qualitative study of the  
 perceptions of first year college students  
 regarding technology and college  
 readiness

- Steven Edward Hahn                      *Glendale, Wis.*  
 B.A., Lawrence University  
 Department: Physics and Astronomy  
 Major: Condensed Matter Physics  
 Dissertation: First principles analysis of  
 lattice dynamics for Fe-based  
 superconductors and entropically-  
 stabilized phases
- § Morgan Davis Hayes                      *Lansdale, Pa.*  
 B.S., Pennsylvania State University;  
 M.S., University of Kentucky  
 Department: Agricultural and Biosystems  
 Engineering  
 Major: Agricultural Engineering  
 Dissertation: Environmental and energy  
 assessment of an aviary laying-hen  
 housing system in the Midwestern United  
 States
- Dong Ho Hong                              *Seoul, South Korea*  
 B.E., Chung-Ang University;  
 M.S., Iowa State University  
 Department: Computer Science  
 Major: Computer Science  
 Dissertation: 3D colon segment and  
 endoscope motion reconstruction from  
 colonoscopy video
- Ying Huang                                  *Wuhan, China*  
 B.Econ., Beijing University;  
 M.Phil., Chinese University of Hong Kong  
 Department: Economics  
 Major: Economics  
 Dissertation: An econometric study of the  
 impact of economic variables on adult  
 obesity and food assistance program  
 participation in the NLSY panel
- †† Sukjung Hwang                          *Jecheon, South Korea*  
 B.S., Ewha Woman's University;  
 M.S., *Ibid.*  
 Department: Mathematics  
 Major: Applied Mathematics  
 Dissertation: Holder regularity of solutions  
 of generalized  $p$ -Laplacian type parabolic  
 equations
- Muslum Ilgu                                  *Ankara, Turkey*  
 B.S., Middle East Technical University  
 Department: Biochemistry, Biophysics, and  
 Molecular Biology  
 Major: Biochemistry  
 Dissertation: Deciphering the details of RNA  
 aminoglycoside interactions: From  
 atomistic models to biotechnological  
 applications
- Meghann Elizabeth Jarchow              *Brandon, S. Dak.*  
 A.B., Ripon College;  
 M.S., Minnesota State University-Mankato  
 Department: Agronomy  
 Majors: Ecology and Evolutionary Biology  
 and Sustainable Agriculture  
 Dissertation: Tradeoffs in ecosystem services  
 of prairies managed for bioenergy  
 production
- Tieming Ji                                      *Changchun, China*  
 B.S., University of Science and Technology of  
 China;  
 M.S., New Mexico State University  
 Department: Statistics  
 Majors: Bioinformatics and Computational  
 Biology and Statistics  
 Dissertation: Borrowing information across  
 genes and experiments for improved  
 error variance estimation in microarray  
 data analysis and statistical inferences for  
 gene expression heterosis
- Ji Hyun Jun                                  *Seoul, South Korea*  
 B.S., Korea University  
 Department: Chemistry  
 Major: Physical Chemistry  
 Dissertation: Development of high-spatial  
 and high-mass resolution mass  
 spectrometric imaging (MSI) and its  
 application to the study of small  
 metabolites and endogenous molecules  
 of plants
- Kate Ellen Ekle Junk                          *Farmington*  
 B.S., Iowa State University;  
 M.S., *Ibid.*  
 Department: Psychology  
 Major: Psychology  
 Dissertation: Personality, interests, and self-  
 efficacy: The incremental validity of  
 basic level constructs in discriminating  
 among college majors and occupational  
 aspirations
- †† Jonathan Taylor Kahl                      *Belleville, Wis.*  
 B.S., University of Wisconsin-La Crosse;  
 M.S., Iowa State University  
 Department: Psychology  
 Majors: Psychology and Neuroscience  
 Dissertation: Configurational, holistic, and  
 coordinate processing: The same or  
 different?

Migyu Kang *Hongseong, South Korea*  
B.A., Hanyang University;  
M.A., *Ibid.*;  
Ph.D., *Ibid.*;  
M.A., *Ibid.*  
Department: Curriculum and Instruction  
Major: Education  
Dissertation: East Asian students' negotiation of silence in a university intensive English reading class: An examination of cross-cultural transition within a Project-Oriented CALL approach

Christopher James Kast *Gap Mills, W. Va.*  
B.A., Concord University;  
M.A., Ohio University  
Department: Sociology  
Major: Sociology  
Dissertation: Enhancement and verification among newly married couples

Ehsan Kayal *Ames*  
Deug., University of Paris;  
Licen., *Ibid.*;  
Maitr., *Ibid.*;  
Master, *Ibid.*  
Department: Ecology, Evolution and Organismal Biology  
Major: Ecology and Evolutionary Biology  
Dissertation: The evolution of the mitochondrial genomes of calcareous sponges and cnidarians

Norman K. G. Keller *Flein, Germany*  
Diploma, Mannheim University of Applied Sciences  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Dissertation: Mixing and segregation in 3D multi-component, two-phase fluidized beds

§ Aaron Michael Kempema *Sioux Falls, S. Dak.*  
B.A., Macalester College  
Department: Chemistry  
Major: Organic Chemistry  
Dissertation: Synthesis of polyphenols and azafluorenones

Aryn Diane Kruse *Panora*  
B.S., Iowa State University;  
M.Educ., *Ibid.*  
Department: Human Development and Family Studies  
Major: Human Development and Family Studies  
Dissertation: Understanding experiences of families and their partnerships as they navigate early intervention, transition, and early childhood special education

Marcia Rector Laugerman *West Des Moines*  
B.S., Iowa State University;  
M.S., *Ibid.*  
Department: Agricultural and Biosystems Engineering  
Major: Industrial and Agricultural Technology  
Dissertation: Academic and social integration variables influencing the success of community college transfer students in undergraduate engineering programs

Ji Won Lee *Cheogju, South Korea*  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: Microscale platform technologies for biomimetics and biomedical engineering

Jennifer R. Curta Leptien *Davenport*  
B.S., Iowa State University;  
M.F.C.S., Iowa State University  
Department: Human Development and Family Studies  
Major: Human Development and Family Studies  
Dissertation: Learning communities: Understanding the transfer student experience

Zhen Li *Nanjing, China*  
B.S., Southeast University;  
M.S., Iowa State University;  
M.S., *Ibid.*  
Department: Mathematics  
Major: Applied Mathematics  
Dissertation: Stochastic homogenization of elliptic equation and optimal control

Jin Liu *Qianjiang, China*  
B.S., Shanghai Jiaotong University;  
M.S., Beijing University  
Department: Materials Science and Engineering  
Major: Materials Science and Engineering  
Dissertation: Models of electromagnetic properties of composite media



Rui Liu *Mianyang, China*  
B.S., University of Science and Technology of  
China  
Department: Physics and Astronomy  
Major: Condensed Matter Physics  
Dissertation: Enhanced performance of  
organic light-emitting diodes (OLEDs)  
and OLED-based photoluminescent  
sensing platforms by novel  
microstructures and device architectures

†† Gilson Rescober Lomboy *Caloocan, Philippines*  
B.S., Mapua Institute of Technology;  
M.E., Asian Institute of Technology  
Department: Civil, Construction and  
Environmental Engineering  
Major: Civil Engineering (Civil Engineering  
Materials)  
Dissertation: Particle interaction and  
rheological behavior of cement-based  
materials at micro- and macro-scales

Carlos Lopez *Miami, Fla.*  
B.S., Florida International University;  
M.S., *Ibid.*  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: Transfer students in STEM  
majors at a Midwestern University:  
Academic and social involvement factors  
that influence student success

§ Yao Lu *Hanzhou, China*  
B.E., Zhejiang Institute of Science and  
Technology;  
M.Sc., Cardiff University  
Department: Apparel, Events, and Hospitality  
Management  
Major: Apparel Merchandising and Design  
Dissertation: An investigation of the  
relationship between cluster brands and  
individual brands: A place branding  
perspective

Jason Shane Lupoi *Pittsburgh, Pa.*  
B.S., La Roche College  
Department: Chemistry  
Major: Analytical Chemistry  
Dissertation: Developments in enzyme  
immobilization and near-infrared Raman  
spectroscopy with downstream  
renewable energy applications

§ Cheng Ma *Fuzhou, China*  
B.S., Tsinghua University  
Department: Materials Science and  
Engineering  
Major: Materials Science and Engineering  
Dissertation: Transmission electron  
microscopy investigation of the  
microstructural mechanisms for the  
piezoelectricity in lead-free perovskite  
ceramics

Emily Edeker Malloy *Ankeny*  
B.A., Central College;  
M.S., Iowa State University  
Department: Human Development and  
Family Studies  
Major: Human Development and Family  
Studies  
Dissertation: Fathers of children with  
adolescent mothers: Involvement and  
children's developmental outcomes at 24  
months of age

Kristina Theresa Marchesani *Cedar Falls*  
B.A., University of Northern Iowa;  
M.A., *Ibid.*  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: Searching for home: Tibetan  
scholars' decision to migrate or return

Nataliya Alexandrovna Markina *Moscow, Russia*  
B.S., Mendeleev University of Chemical  
Technology of Russia  
Department: Chemistry  
Major: Organic Chemistry  
Dissertation: Metal-catalyzed and aryne-  
mediated multicomponent approaches to  
heterocycles

Rhonda Lorraine McCaffery *Novi, Mich.*  
B.S., Eastern Michigan University;  
M.A., *Ibid.*  
Department: English  
Major: Rhetoric and Professional  
Communication  
Dissertation: WikiPedience: Teaching  
students to write for nonacademic  
audiences

Kristopher James McKee *Colorado Springs, Colo.*  
B.S., University of Colorado-Colorado Springs  
Department: Chemistry  
Major: Analytical Chemistry  
Dissertation: Scanning angle total internal reflection Raman spectroscopy and plasmon enhancement techniques as a tool for interfacial analysis

Maulik Mehta *Udaipur, India*  
B.Tech., Banaras Hindu University  
Department: Chemical and Biological Engineering  
Major: Chemical Engineering  
Dissertation: Predictive multiscale computational modeling of nanoparticles in flame reactors

Fanqi Meng *Harbin, China*  
B.S., Shanghai Jiaotong University;  
M.S., Iowa State University;  
M.S., *Ibid.*  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Dissertation: Measurement, analysis and process planning for the layup of unidirectional fabrics

David Anton Miller *Swisher*  
B.S., University of Northern Iowa;  
B.A., *Ibid.*  
M.Engr. Iowa State University  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Dissertation: On delay stable communications in asynchronous networks

§ Joseph Daniel Miller *Dayton, Ohio*  
B.S., Cedarville University  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Dissertation: Hybrid femtosecond/picosecond coherent anti-Stokes Raman scattering for gas-phase temperature measurements

Hua Ming *Beijing, China*  
B.E., University of Science and Technology;  
M.S., Iowa State University  
Department: Computer Science  
Major: Computer Science  
Dissertation: *Situ<sup>-f</sup>*: A domain specific language and a first step towards the realization of *Situ* framework

Matthew Dennis Moore *Saint Louis, Mo.*  
B.A., University of Missouri-Columbia;  
M.A., Western Kentucky University  
Department: Sociology  
Major: Sociology  
Dissertation: Following the creative capital model: The social consequences for urban and suburban counties

Annet Abenakyo Mulema *Jinja, Uganda*  
B.S., Makerere University;  
M.S., Wageningen University  
Department: Sociology  
Major: Sociology  
Dissertation: Organization of innovation platforms for Agricultural Research and Development in the Great Lakes Region of Africa

§ Kevin Lee Myers *Mount Ayr*  
B.S., Iowa State University;  
M.S., *Ibid.*  
Departments: Animal Science and Food Science and Human Nutrition  
Majors: Meat Science and Food Science and Technology  
Dissertation: Evaluation of high hydrostatic pressure, meat species, and ingredients to control *Listeria monocytogenes* in ready-to-eat meats

†† Sahana K. Nagappayya *Delhi, India*  
B.S., University of Delhi;  
M.S., *Ibid.*  
Department: Chemistry  
Major: Organic Chemistry  
Dissertation: Methods development for the glycosylation and microarraying of L-rhamnose with applications toward the automated solution-phase synthesis of Homogalacturonan and Rhamnogalacturonan I

Ashwin S. Natarajan *Trichy, India*  
B.Eng., Bharathidasan University;  
M.S., Iowa State University  
Department: Computer Science  
Major: Computer Science  
Dissertation: Novel techniques for large-scale and cost-effective video services

Sean Alexander Nedd *Cambee, Trinidad and Tobago*  
B.S., Morgan State University;  
M.S., Long Island University  
Department: Chemistry  
Major: Physical Chemistry  
Dissertation: Unorthodox theoretical methods

Quang Huy Nguyen *Ho Chi Minh City, Vietnam*  
 B.F.L., Open University;  
 M.Eng., University of Technology;  
 M.S., Iowa State University  
 Department: Agricultural and Biosystems  
 Engineering  
 Major: Environmental Science  
 Dissertation: Impacts of long-term  
 application of poultry manure on  
 subsurface drain water quality

†† David Matthew Sertich Niedergeses *Omaha, Neb.*  
 B.A., Iowa State University;  
 B.S., *Ibid.*;  
 M.A., *Ibid.*;  
 Department: English  
 Majors: Rhetoric and Professional  
 Communication and Human Computer  
 Interaction  
 Dissertation: Constructing collaborative  
 ecologies: How selection, practice, and  
 mediation assemble and shape social and  
 collaborative software

Olga H. Nikolova *Sofia, Bulgaria*  
 B.S., Truman State University  
 Department: Electrical and Computer  
 Engineering  
 Major: Bioinformatics and Computational  
 Biology  
 Dissertation: Parallel algorithms for Bayesian  
 networks structure learning with  
 applications in systems biology

††§ Oktay Olmez *Mut, Turkey*  
 B.S., Ankara University;  
 M.S., *Ibid.*  
 Department: Mathematics  
 Major: Mathematics  
 Dissertation: On highly regular digraphs

Massiel A. Orellana Zegarra *Santiago, Chili*  
 M.Stat., Pontif University Catolica Chile;  
 Licen., Universidad de Chile;  
 M.S., Iowa State University  
 Department: Agronomy  
 Major: Plant Breeding  
 Dissertation: Bayesian prediction of crop  
 performance modeling genotype by  
 environment interaction with  
 heterogeneous variances

Megan Christina Orr *Richland, Mich.*  
 B.S., University of Michigan-Ann Arbor  
 Department: Statistics  
 Major: Statistics  
 Dissertation: Assessing differential  
 expression when the distribution of  
 effect sizes is asymmetric and evaluating  
 concordance of differential expression  
 across multiple gene expression  
 experiments

†† Jun-Koo Park *Seoul, South Korea*  
 B.A., Hanyang University;  
 M.S., Iowa State University  
 Department: Mathematics  
 Major: Applied Mathematics  
 Dissertation: On coarse-grained Normal  
 Mode Analysis and refined Gaussian  
 Network Model for protein structure  
 fluctuations

Nancy E. F. Peck *Elmira, N.Y.*  
 B.S., University of Connecticut;  
 M.Ed., Mansfield University of Pennsylvania  
 Department: Human Development and  
 Family Studies  
 Major: Human Development and Family  
 Studies  
 Dissertation: Preschool teachers' perspectives  
 of empathy and parent-teacher  
 partnership in early childhood education

Jacob Reed Prater *Oak Ridge, Tenn.*  
 B.S., University of Tennessee;  
 M.S., Iowa State University  
 Department: Agronomy  
 Majors: Soil Science (Soil Physics) and  
 Environmental Science  
 Dissertation: The impacts of colloidal  
 material on the fate and transport of 17 -  
 Beta-estradiol in three Iowa soils

§ Margaret Marie Pruitt *Saint Paul, Minn.*  
 B.S., University of Minnesota-Duluth  
 Department: Genetics, Development and Cell  
 Biology  
 Major: Molecular, Cellular and  
 Developmental Biology  
 Dissertation: Structure-function analyses of  
 the Trp1 G protein-coupled receptor

†† Hang Qian *Nanjing, China*  
B.A., Beijing Foreign Studies University;  
M.A., Fudan University  
Department: Economics  
Major: Economics  
Dissertation: Essays on statistical inference  
with imperfectly observed data

§ Jeanine M. Refsnider *Coon Rapids, Minn.*  
B.A., University of Minnesota-Morris;  
M.A., University of Minnesota-Minneapolis  
Department: Ecology, Evolution and  
Organismal Biology  
Major: Ecology and Evolutionary Biology  
Dissertation: Effects of climate change on  
reptiles with temperature-dependent sex  
determination and potential adaptation  
via maternal nest-site choice

Justin William Rice *Bettendorf*  
B.A., Augustana College;  
M.S., Iowa State University  
Department: Ecology, Evolution and  
Organismal Biology  
Major: Ecology and Evolutionary Biology  
Dissertation: Understanding and acceptance  
of biological evolution and the nature of  
science: Studies on university faculty

Jeremiah Alexander Richey *Kernersville, N.C.*  
B.S., Greensboro College  
Department: Economics  
Major: Economics  
Dissertation: Essays on the identification of  
treatment effects with applications to the  
labor market

William Daniel Robinson *Wetumpka, Ala.*  
B.S., Auburn University;  
M.S., *Ibid.*;  
M.S., California State Polytech University  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Dissertation: A pneumatic semi-active  
control methodology for vibration  
control of air spring based suspension  
systems

Robert Anthony Roggers *White Lake, Mich.*  
B.S., Michigan State University  
Department: Chemistry  
Major: Chemistry  
Dissertation: Mesoporous silicates: Materials  
science and biological applications

Ram Ganesh Rokkam *Visakhapatnam, India*  
B.Tech., Andhra University;  
M.Tech., Indian Institute of Technology  
Department: Chemical and Biological  
Engineering  
Major: Chemical Engineering  
Dissertation: Computational fluid dynamic  
modeling of fluidized bed  
polymerization reactors

Juan Francisco Rosas Pérez *Melo, Uruguay*  
Licenc., University of the Republic  
Department: Economics  
Major: Economics  
Dissertation: Essays on the environmental  
effects of agricultural production

†† Alicia S. Rosburg *Boone*  
B.A., University of Northern Iowa  
Department: Economics  
Major: Economics  
Dissertation: Essays concerning the  
cellulosic biofuel industry

Zachary L. Royer *Kansas City, Mo.*  
B.S., University of Missouri - Rolla  
Department: Materials Science and  
Engineering  
Major: Materials Science and Engineering  
Dissertation: Optimizing electromagnetic  
levitation design to enhance  
thermodynamic measurement

†† Suzanne Sander *Carroll*  
B.S., Benedictine College  
Department: Chemistry  
Major: Analytical Chemistry  
Dissertation: Development of fluorescence-  
based methods to study the effect of  
cytoplasmic proteins, cholesterol, and  
extracellular ligand on integrin diffusion  
and clustering in single cells

Yanxiang Shi *Lanxi, China*  
B.E., East China University of Science and  
Technology;  
M.E., University of Sydney  
Department: Chemical and Biological  
Engineering  
Major: Chemical Engineering  
Dissertation: Experimental and  
computational investigation of turbulent  
mixing in microscale reactors

Yaqing Si *Shangqiu, China*  
B.Sc., University of Science and Technology of  
China;  
M.S., Iowa State University  
Department: Statistics  
Major: Statistics  
Dissertation: Statistical analysis of RNA-seq  
data from next-generation sequencing  
technology

Elizabeth Decatur Stafford *Saint Paul, Minn.*  
B.A., Macalester College;  
M.P.T., Mayo School of Health Sciences  
Department: Kinesiology  
Major: Kinesiology (Biological Basis of  
Physical Activity)  
Dissertation: Biomechanical and  
neuromuscular changes in jump landings  
due to short or long term ankle bracing  
and fatigue

§Sean R. Stanek *Des Moines*  
B.S., Iowa State University;  
M.S., *Ibid.*  
Department: Computer Science  
Major: Computer Science  
Dissertation: Semi-automated parallel  
programming in heterogeneous  
intelligent reconfigurable environments  
(SAPPHIRE)

Michael Anthony Steffen *Springfield, Ill.*  
B.S., Valparaiso University;  
B.S., *Ibid.*  
Department: Electrical and Computer  
Engineering  
Major: Computer Engineering  
Dissertation: A hardware-software integrated  
solution for improved single-instruction  
multi-thread processor efficiency

Clinton Merrill Stephens *Eureka, Kans.*  
B.S., Kansas State University;  
M.S., Oklahoma State University  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: Examining the finances of  
higher education institutions to  
understand their priorities

Edward L. Swing *Duluth, Minn.*  
B.A., College of Saint Scholastica;  
M.S., Iowa State University  
Department: Psychology  
Major: Psychology  
Dissertation: Plugged in: The effects of  
electronic media use on attention  
problems, cognitive control, visual  
attention, and aggression

Brandy Nicole Tiernan *Midland, Tex.*  
B.A., University of North Texas  
Department: Psychology  
Major: Psychology  
Dissertation: The neural correlates of  
emotion regulation

Ali Toosi *Ames*  
B.Sc., Ferdowsi University of Mashhad;  
M.Sc., *Ibid.*  
Department: Animal Science  
Major: Animal Breeding and Genetics  
(Quantitative Genetics)  
Dissertation: Genome-wide prediction of  
breeding values and mapping of  
quantitative trait loci in stratified and  
admixed populations

§ Erik Voss *Rockford, Ill.*  
B.A., Gustavus Adolphus College;  
M.A., Uppsala University  
Department: English  
Major: Applied Linguistics and Technology  
Dissertation: A validity argument for score  
meaning of a computer-based ESL  
academic collocational ability test based  
on a corpus-driven approach to test  
design

Heng Wang *Tianjin, China*  
B.S., Nankai University;  
M.S., Virginia Polytechnic Institute and State  
University  
Department: Statistics  
Major: Statistics  
Dissertation: Application of order restricted  
statistical inference and hidden Markov  
modeling to problems in biology and  
genomics

Kristi Jo Warren *Abilene, Tex.*  
B.S., New Mexico State University;  
B.S., Hardin-Simmons University  
Department: Kinesiology  
Major: Immunobiology  
Dissertation: Influenza virus infection: The  
impact of physical activity on the aging  
immune system and obesity-associated  
immune impairments

LeAnn Mills Waterhouse *Omaha, Neb.*  
B.A., University of Nebraska at Lincoln;  
M.S., Iowa State University  
Department: Psychology  
Major: Psychology (Counseling Psychology)  
Dissertation: Disordered eating and  
psychological help-seeking: The role of  
perceptions of need

Yisheng Wu *Pucheng, China*  
B.S., Beijing Normal University  
Department: Biochemistry, Biophysics, and  
Molecular Biology  
Major: Biochemistry  
Dissertation: Investigating labdane-related  
diterpenoids biosynthetic network in  
rice: Characterization of cytochromes  
P450 and short-chain alcohol  
dehydrogenases/reductase

Xinhua Xiao *Taihe, China*  
B.S., Jiangxi Normal University;  
M.Agron., China Agricultural University  
Department: Agronomy  
Major: Soil Science (Soil Physics)  
Dissertation: Heat transfer, evaporation and  
carbon dioxide transfer in soil

Hui Xie *Baiyin, China*  
B.E., Zhejiang University  
Department: Electrical and Computer  
Engineering  
Major: Electrical Engineering  
Dissertation: Evaluation of crack signals in  
cylindrical structures using eddy current  
nondestructive evaluation theory

Haifeng Yang *Shenyang, China*  
B.S., Tianjin University;  
M.S., Iowa State University  
Department: Electrical and Computer  
Engineering  
Major: Electrical Engineering  
Dissertation: Electrospun micro/nanodevices  
for controlled biomolecule release

Gibum Yi *Jeonju, South Korea*  
B.S.Ag., Seoul National University;  
M.S.Ag., *Ibid.*  
Department: Genetics, Development and Cell  
Biology  
Major: Plant Biology  
Dissertation: Genetic regulation of aleurone  
cell fate in *Zea mays*

§ Chang Geun Yoo *Ames*  
B.S., Hanyang University;  
M.S., *Ibid.*  
Department: Agricultural and Biosystems  
Engineering  
Major: Agricultural Engineering  
Dissertation: Pretreatment and fractionation  
of lignocellulosic biomass for  
production of biofuel and value-added  
products

Yuzhu Zheng *Chongqing, China*  
B.E., Sichuan Teachers' College;  
M.Ed., *Ibid.*  
Department: Human Development and  
Family Studies  
Major: Human Development and Family  
Studies  
Dissertation: Exploring foundations for self-  
determination in young children with  
disabilities in the People's Republic of  
China (PRC): What families report

## MASTER OF ACCOUNTING

---

Stuart J. Davidson  
B.Acct., Ferris State University  
Department: Accounting  
Major: Accounting

*Snover, Mich.*

Jia Tu  
B.S., Iowa State University  
Department: Accounting  
Major: Accounting

*Jiujiang, China*

Benjamin Jon Engelken  
B.S., Iowa State University  
Department: Accounting  
Major: Accounting

*Indianola*

## MASTER OF AGRICULTURE

---

Kent D. Berte  
B.S., Northwest Missouri State University  
Department: Professional Agriculture  
Major: Professional Agriculture

*Humboldt*

## MASTER OF ARTS

---

Brenna Holly Buchanan  
B.A., North Georgia College  
Department: History  
Major: History  
Thesis: "Truly Theatrical" Deborah  
Sam(p)son Gannett: An analysis of cross-  
dressing, gender, and virtue in  
Revolutionary America and the Early  
American Republic

*Ellijay, Ga.*

Rebecca Christine Lee  
B.S., Drake University;  
B.A., *Ibid.*  
Department: English  
Major: English (Literature)  
Thesis: Eve Ensler's "The Vagina  
Monologues" as feminist activist ecology  
Athesis: Patriotism and antipathy toward  
nonbelievers in the United States

*Lee's Summit, Mo.*

Douglas Choi  
B.A., University of Rochester  
Department: Art and Design  
Major: Art and Design (Graphic Design)

*Ames*

Xiaoxi Li  
B.A., Beihang University  
Department: Art and Design  
Major: Art and Design (Graphic Design)

*Panjin, China*

Chad Allan Hauser  
B.S., Iowa State University  
Department: History  
Major: History  
Thesis: Building iron rails to their future:  
Examination of Davenport, Iowa's  
antebellum relationship with the Rock  
Island Line and Mississippi and Missouri  
railroads

*Manson*

Matthew Laird Milne  
B.A., Iowa State University  
Department: Political Science  
Major: Political Science  
Thesis: Athesis: Patriotism and antipathy  
toward nonbelievers in the United States

*Hancock*

Lindsey M. Kurtz  
B.A., Loras College  
Department: English  
Major: Teaching English as a Second  
Language/Applied Linguistics (Computer  
Assisted Language Learning)  
Thesis: Learning from twenty-first century  
second language learners: A case study in  
smartphone use of language learners

*Cedar Rapids*

Ashley M. Schryver  
B.S., Waldorf College  
Department: English  
Major: English (Literature)

*Des Moines*

Keith Ryan Walton  
B.A., Dickinson State University  
Department: Political Science  
Major: Political Science  
Thesis: On the political economy of  
immigration: Examining the  
relationship between individual choice  
and policy outcomes in the United States

*Spring Creek, Nev.*

## MASTER OF ARTS IN TEACHING

---

Laura Eve Grandin B.S., Iowa State University Department: Curriculum and Instruction Major: Science Education	<i>Ireton</i>	Melanie Lee Marzen B.S., Iowa State University Department: Curriculum and Instruction Major: Science Education	<i>Robins</i>
Sakinah Hasna Haque B.A., Coe College Department: Curriculum and Instruction Major: Science Education	<i>Chicago, Ill.</i>	Kaylee Lynn Richter B.S., Iowa State University Department: Curriculum and Instruction Major: Science Education	<i>Granger</i>
Jonathan Cole Jackson B.S., Iowa State University Department: Curriculum and Instruction Major: Science Education	<i>Ames</i>	Tiffany Anne Schallau B.S., Iowa State University Department: Curriculum and Instruction Major: Science Education	<i>Iowa City</i>
Kara Faye Jones B.A., Iowa State University Department: Curriculum and Instruction Major: Science Education	<i>Slater</i>	Dylan Thomas Shoemaker B.S., Iowa State University Department: Curriculum and Instruction Major: Science Education	<i>Nashua</i>
Whitney Marie Leverich B.S., University of Iowa; B.S., Iowa State University Department: Curriculum and Instruction Major: Science Education	<i>Ankeny</i>		

## MASTER OF BUSINESS ADMINISTRATION

---

Blaise Benjamin Bakke B.S., Iowa State University Department: Business Administration Major: Business Administration	<i>Carroll</i>	Ryan G. Knight B.A., Luther College Department: Business Administration Major: Business Administration	<i>Des Moines</i>
Mohit Beniwal B.E., University of Delhi Department: Business Administration Major: Business Administration	<i>Delhi, India</i>	Linh T. Phanthavong B.S., Iowa State University Department: Business Administration Major: Business Administration (Supply Chain Management)	<i>Des Moines</i>
Nitya Bhoomi Reddy B.Tech., Jawaharlal Nehru Technological University Department: Business Administration Major: Business Administration (Supply Chain Management)	<i>Secunderabad, India</i>	Steven Eugene Postma B.S., Iowa State University Department: Business Administration Major: Business Administration	<i>West Des Moines</i>
Justin Dean Crouse B.A., Wartburg College Department: Business Administration Major: Business Administration (Accounting)	<i>Maxwell</i>	Heather Renee Schrader B.A., University of Northern Iowa Department: Business Administration Major: Business Administration	<i>Ankeny</i>
Siddhesh Harishchandra Ghag B.E., University of Mumbai Department: Business Administration Major: Business Administration	<i>Mumbai, India</i>	Robert Manuel Seda B.S., Oklahoma State University Department: Business Administration Major: Business Administration	<i>Lawton, Okla.</i>



## MASTER OF COMMUNITY AND REGIONAL PLANNING

---

Anne Thompson Heuscher *Bozeman, Mont.*  
B.A., Western Washington University  
Department: Community and Regional  
Planning  
Major: Community and Regional Planning  
Thesis: Empowerment in the context of  
climate change: How community-based  
organizations can play a role in engaging  
citizens

Steven Thomas LaBedz *Arlington Heights, Ill.*  
B.S., Carroll University  
Department: Community and Regional  
Planning  
Major: Community and Regional Planning

Aaron Michael Nelson *Fargo, N. Dak.*  
B.S., University of North Dakota  
Department: Community and Regional  
Planning  
Major: Community and Regional Planning

Jennifer Kay Roberts *Grinnell*  
B.A., University of Iowa  
Department: Community and Regional  
Planning  
Major: Community and Regional Planning  
Thesis: Beyond the narrative: A case study  
analysis of housing policy change in a  
midwestern state

## MASTER OF EDUCATION

---

Jennifer Anne Berns *Atlantic*  
B.S., Iowa State University  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Educational  
Administration)

Derrick Lee Catlett *Fort Collins, Colo.*  
B.S., Iowa State University  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Higher Education)

Kathryn Marie Chamberlain *Wiota*  
B.S., Northwest Missouri State University  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Educational  
Administration)

James Lewis Craig *Fontanelle*  
B.M.Ed., Wartburg College  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Educational  
Administration)

Lesya Lyn Downing *Creston*  
B.S., Southern Illinois University-Carbondale  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Educational  
Administration)

Vanessa Lynn Duit *Ackley*  
B.S., Kaplan University  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Higher Education)

Elizabeth May Gerlich *Minburn*  
B.S., Iowa State University  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Educational  
Administration)

Tyler John Glidden *Sioux City*  
B.S., Iowa State University  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Higher Education)

Joni K. Kellen *Alton*  
B.A., Iowa State University  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Higher Education)

Brenda S. Kelly *Avoca*  
B.S., Briar Cliff University;  
M.S., Creighton University  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Educational  
Administration)

Sarah Jean Kock *Walnut*  
B.A., Dana College  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Educational  
Administration)

William Crosby Lester III *West Des Moines*  
B.A., University of Northern Iowa  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Educational  
Administration)

Ran Li *Zhengzhou, China*  
B.S., Chengdu University  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Higher Education)

Laura L. Menke *West Point*  
B.S., Iowa Wesleyan College  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Higher Education)

Melissa Marie Navntoft *Burlington*  
B.A., Western Illinois University  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Higher Education)

Casey Nolan Pelzer *Atlantic*  
B.A., Buena Vista University  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Educational  
Administration)

Huijuan Qu *Zhengzhou Henan, China*  
B.S., Henan Normal College  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Higher Education)

Sarah Kristine Rahe *Webster City*  
B.S., Iowa State University  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Higher Education)

Yifei Wang *Zhengzhou, China*  
B.S., Henan Normal College  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Higher Education)

Carmen Lynn Wilson *Pierson*  
B.S., South Dakota State University  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Higher Education)

Kyle Clayton Young *Monroe*  
B.S., Iowa State University  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Educational  
Administration)

## MASTER OF ENGINEERING

---

Brittany Michele Anderson *Sioux City*  
B.S., Morningside College  
Department: Industrial and Manufacturing  
Systems Engineering  
Major: Systems Engineering

Ken Deng *Ames*  
B.S., Iowa State University  
Department: Civil, Construction and  
Environmental Engineering  
Major: Civil Engineering (Transportation  
Engineering)

Anand Gopa Kumar *Palakkad, India*  
B.Tech., Jawaharlal Nehru Technology  
University;  
M.S., Iowa State University  
Department: Aerospace Engineering  
Major: Systems Engineering

Daniel Leon *Miami, Fla.*  
B.S., Florida International University  
Departments: Industrial and Manufacturing  
Systems Engineering and Electrical and  
Computer Engineering  
Majors: Systems Engineering and Electrical  
Engineering

Scott Michael Long *Cedar Rapids*  
B.S., Iowa State University  
Department: Materials Science and  
Engineering  
Major: Materials Science and Engineering

Greg Jason Muller *Beaumont, Tex.*  
B.S., Lamar University  
Department: Mechanical Engineering  
Major: Mechanical Engineering

Nicholas Alan Rundle *Cedar Rapids*  
B.S., University of Wisconsin-Platteville  
Department: Electrical and Computer  
Engineering  
Major: Computer Engineering

Cory M. Samuelson *Quimby*  
B.S., Iowa State University  
Department: Industrial and Manufacturing  
Systems Engineering  
Major: Industrial Engineering

Rishi Gopal Verma *Bettendorf*  
B.S., Iowa State University;  
M.B.A., St. Ambrose University  
Department: Mechanical Engineering  
Major: Mechanical Engineering

Bin Wang *Beijing, China*  
B.E., Beihang University  
Department: Aerospace Engineering  
Major: Aerospace Engineering

Aleksandra Wiszynski *Charleston, S.C.*  
B.J., University of Missouri-Columbia;  
M.B.A., University of Phoenix  
Department: Industrial and Manufacturing  
Systems Engineering  
Major: Systems Engineering

Xiaotian Xing *Nantong, China*  
B.S., Iowa State University  
Department: Civil, Construction and  
Environmental Engineering  
Major: Civil Engineering (Structural  
Engineering)

Kai Zhang *Beijing, China*  
B.E., Tsinghua University  
Department: Mechanical Engineering  
Major: Mechanical Engineering

Xitong Zhu *Harbin, China*  
B.S., Iowa State University  
Department: Civil, Construction and  
Environmental Engineering  
Major: Civil Engineering (Transportation  
Engineering)

## MASTER OF FAMILY AND CONSUMER SCIENCES

---

Jessica Ann Hensch *Story City*  
B.S., Iowa State University  
Department: Family and Consumer Sciences  
Major: Family and Consumer Sciences  
(Gerontology)

Shelby Lenae Prichard *Salem, Oreg.*  
B.S., Oregon State University  
Department: Family and Consumer Sciences  
Major: Family and Consumer Sciences  
(Gerontology)

Randy Wayne Sparks *Knoxville*  
B.S., Iowa State University  
Department: Family and Consumer Sciences  
Major: Family and Consumer Sciences  
(Gerontology)

Derek Thomas Tharp *Cedar Rapids*  
B.S., Iowa State University  
Department: Family and Consumer Sciences  
Major: Family and Consumer Sciences  
(Family Financial Planning)

## MASTER OF FINE ARTS

---

Jiyoung Choi *Ames*  
B.Des., Dongduk Women's University  
Department: Art and Design  
Major: Graphic Design  
Thesis: Creating an evaluation system for a  
mobile application design to enhance  
usability and aesthetics

Abigail Lynn Ebelherr *Lincoln, Ill.*  
B.A., Illinois College  
Department: English  
Major: Creative Writing and Environment  
Thesis: Fluid bodies

Mikako Matsunaga *Fukuoka, Japan*  
B.A., Seinan Gakuin University;  
B.A., University of Wisconsin-Eau Claire  
Department: Art and Design  
Major: Graphic Design  
Thesis: Electronic form design

†† Cynthia Wiley *Des Moines*  
B.A., University of Missouri-Columbia  
Department: Art and Design  
Major: Graphic Design  
Thesis: Empathy, connectivity, authenticity,  
and trust: A rhetorical framework for  
creating and evaluating interaction  
design

Lei Zhang *Zhengzhou, China*  
B.A., Wuhan University  
Department: Art and Design  
Major: Graphic Design  
Thesis: News media design: A comparative  
study of digital application format

## MASTER OF PUBLIC ADMINISTRATION

---

Alex Elgin Ayers B.S., Iowa State University Department: Political Science Major: Public Administration Thesis: A literature review of the market effects of federal biofuel policy and recommendations for future policy	<i>Indianola</i>	Martha Suzanne Pope B.A., Iowa State University Department: Political Science Major: Public Administration	<i>Mason City</i>
Holly Elizabeth Mace B.S., Iowa State University Department: Political Science Major: Public Administration Thesis: Outbreak: A case study analysis	<i>Camanche</i>	Laura Sweeney B.S., Iowa State University Department: Political Science Major: Public Administration	<i>Ames</i>

## MASTER OF SCHOOL MATHEMATICS

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Benjamin Daniel Campbell B.S., Iowa State University Department: Mathematics Major: School Mathematics	<i>Ottumwa</i>
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## MASTER OF SCIENCE

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Dustin William Albrecht B.S., University of Northern Iowa Department: Biochemistry, Biophysics, and Molecular Biology Major: Biochemistry Thesis: Characterization of the T4 Mre11/Rad50 complex and investigation of the Mre11 dimeric interface	<i>Readlyn</i>	Muhammad Aurangzaib B.S.Ag, University of Balochistan Department: Agronomy Major: Crop Production and Physiology Thesis: Performance evaluation of nine varieties of Miscanthus in Iowa	<i>Punjab, Pakistan</i>
Danielle K. Alexander B.S., Iowa State University Department: Food Science and Human Nutrition Major: Diet and Exercise Thesis: Postprandial effects of resistant starch corn porridges on blood glucose and satiety responses in non-overweight and overweight adults	<i>Marshalltown</i>	Andrea Kay Banks B.S., St. Ambrose University Department: Kinesiology Major: Kinesiology Thesis: The relationship between intensity, frequency, duration, and location of physical activity and motivation: A self-determination theory perspective	<i>Letts</i>
Andrew James Ansoerge B.S., Iowa State University Department: Agronomy Major: Agricultural Meteorology Thesis: Analysis of regional climate model simulations of winter seasonal precipitation	<i>Storm Lake</i>	Andres Santiago Basso Ing., Universidad Nacional de Cordoba Department: Agronomy Major: Soil Science (Soil Chemistry) Thesis: Effect of fast pyrolysis biochar on physical and chemical properties of a sandy soil	<i>Jesus Maria, Argentina</i>
Pinar Melek Arpacı B.Arch., Yeditepe University; B.Arch., <i>Ibid.</i> Department: Economics Major: Economics	<i>Istanbul, Turkey</i>	Mohit Beniwal B.E., University of Delhi Department: Supply Chain and Information Systems Major: Information Systems	<i>Delhi, India</i>

- Nitya Bhoomi Reddy                      *Secunderabad, India*  
 B.Tech., Jawaharlal Nehru Technological  
 University  
 Department: Supply Chain and Information  
 Systems  
 Major: Information Systems
- Nathan Thomas Braymen                      *Ames*  
 B.S., Iowa State University  
 Department: Agricultural and Biosystems  
 Engineering  
 Major: Industrial and Agricultural  
 Technology
- Jeremy L. Brown                      *Lithonia, Ga.*  
 B.S., Southern University and A&M College  
 Department: Electrical and Computer  
 Engineering  
 Major: Electrical Engineering  
 Thesis: Design of a magnetically tunable low  
 noise amplifier in 0.13 MU-m CMOS  
 technology
- Robert Fredrick Bruner                      *West Lafayette, Ind.*  
 B.S., Purdue University  
 Department: Entomology  
 Major: Entomology  
 Thesis: The performance of *Rag1* soybeans  
 and their effects on the soybean  
 herbivore community
- Princess Jahmeeka Campbell                      *High Point, N.C.*  
 B.S., St John's University  
 Department: Electrical and Computer  
 Engineering  
 Majors: Human Computer Interaction and  
 Computer Engineering  
 Thesis: Practical motion planning for aerial-  
 like virtual agents in Meta!Blast: A full  
 and complex three dimensional virtual  
 environment
- José Antonio Castelan Vargas                      *Sioux Center*  
 B.S., Iowa State University  
 Department: Interdisciplinary Graduate  
 Studies  
 Major: Interdisciplinary Graduate Studies  
 (International Development Studies)
- Amy A. Cervantes                      *Wichita, Kans.*  
 B.S., Missouri University of Science and  
 Technology  
 Department: Civil, Construction and  
 Environmental Engineering  
 Major: Civil Engineering (Environmental  
 Engineering)  
 Thesis: Resuspension of *E. coli* under  
 controlled flows and stream bottom  
 sediments
- Qi Chen                      *Anshan, China*  
 B.Agri., Northeast Agricultural University  
 Department: Veterinary Microbiology and  
 Preventive Medicine  
 Major: Veterinary Microbiology  
 Thesis: Studies on influenza virus replicon  
 particle vaccines in pigs
- Ji Hee Choi                      *Seoul, South Korea*  
 B.Eco., Sungshin Women's University;  
 B.Mgmt., *Ibid.*  
 Department: Apparel, Events, and Hospitality  
 Management  
 Major: Hospitality Management  
 Thesis: University foodservice employees'  
 food allergy knowledge, attitudes,  
 practices, training and training needs
- Jason Aaron Cross                      *Mason City*  
 B.A., St. John's University  
 Department: Electrical and Computer  
 Engineering  
 Majors: Information Assurance and  
 Computer Engineering  
 Thesis: The CDC in a box project
- Nicolas Emilio Dagna                      *Bahia Blanca, Argentina*  
 Ingr., Universidad Nacional del Sur  
 Department: Agronomy  
 Major: Soil Science (Soil Fertility)  
 Thesis: Application of soil test methods to  
 study the availability of phosphorus in  
 beef cattle manure
- Sarah Ann Davis                      *Granger*  
 B.S., Iowa State University  
 Department: Kinesiology  
 Major: Diet and Exercise  
 Thesis: Long-term follow-up of an 8 week  
 weight loss intervention: Impact of  
 psychosocial factors
- Melanie Tompkins Dorminey                      *Loganville, Ga.*  
 B.S.A, University of Georgia  
 Department: Agricultural Education and  
 Studies  
 Major: Agricultural Education
- Kimberly D. Doudna                      *Columbus, Ohio*  
 B.A., Muskingum College  
 Department: Human Development and  
 Family Studies  
 Major: Human Development and Family  
 Studies  
 Thesis: The longitudinal relations between  
 depression and parenting self-efficacy in  
 rural mothers with low incomes

Shaohong Feng *Xi'An, China*  
B.Agron., China Agricultural University  
Department: Agricultural Education and  
Studies  
Major: Agricultural Education  
Thesis: Importance of selected science and  
technology topics in the instructional  
programs to Iowa high school  
agricultural educators

Rivka Brandt Fidel *Irvington, N.Y.*  
B.S., Union College  
Department: Agronomy  
Major: Soil Science (Soil Chemistry)  
Thesis: Evaluation and implementation of  
methods for quantifying organic and  
inorganic components of biochar  
alkalinity

Aaron L. Follett *Newton*  
B.S., Iowa State University  
Department: Journalism and Mass  
Communication  
Major: Journalism and Mass Communication  
Thesis: The effect of focal center and  
peripheral ad placement, player  
involvement, and player experience on  
recognition and recall of videogame ads

John David Gaard *Harrisburg, S. Dak.*  
B.S., South Dakota State University  
Department: Agricultural and Biosystems  
Engineering  
Major: Agricultural Engineering (Advanced  
Machinery Engineering)  
Thesis: Grain wagon fill detection using  
ultrasonic sensors

Jessica Ann Garder *Harrisburg, S. Dak.*  
B.S., South Dakota State University  
Department: Civil, Construction and  
Environmental Engineering  
Major: Civil Engineering (Structural  
Engineering)  
Thesis: Use of UHPC piles in integral  
abutment bridges

Nishant Garg *Bathinda, India*  
B.E., Thapar University  
Department: Civil, Construction and  
Environmental Engineering  
Major: Civil Engineering (Civil Engineering  
Materials)  
Thesis: Raman spectroscopy for  
characterizing and determining the  
pozzolanic reactivity of fly ashes

Isaac Joel Garlington *Bonner Springs, Kans.*  
B.S., Iowa State University  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Thesis: Expanding the usable workspace of a  
haptic device by placing it on a moving  
base

Qinwen Ge *Dalian, China*  
B.E., Tianjin University  
Department: Materials Science and  
Engineering  
Major: Materials Science and Engineering  
Thesis: Synthesis and characterization of  
mesoporous zirconia nanocomposite  
using self-assembled block copolymer  
template

Siddhesh Harishchandra Ghag *Mumbai, India*  
B.E., University of Mumbai  
Department: Supply Chain and Information  
Systems  
Major: Information Systems

Eli Max Gottfried *Eau Claire, Wis.*  
B.S., University of Wisconsin-Milwaukee;  
M.S., University of Wisconsin-Eau Claire  
Department: Agronomy  
Major: Agronomy

Victor Meyer Green *Middletown, Del.*  
B.S., University of Delaware  
Department: Agronomy  
Major: Agronomy

Shelly Mae Griffin *Sangerville, Maine*  
B.S., University of Maine at Orono  
Department: Geological and Atmospheric  
Sciences  
Major: Geology  
Thesis: Applying dendrochronology visual  
crossdating techniques to the marine  
bivalve *Arctica islandica* and assessing the  
utility of master growth chronologies as  
proxies for temperature and secondary  
productivity in the Gulf of Maine

Christopher Wolfgang Gross *Wiesloch, Germany*  
Diplom., University of Applied Sciences  
Wadenswil  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Thesis: Combustion and emissions  
characteristics of a compression-ignition  
engine using ammonia-DME mixtures

- Miguel Andres Guerra Moscoso *Quito, Ecuador*  
 Civ.Eng., San Francisco University of Quito  
 Department: Civil, Construction and  
 Environmental Engineering  
 Major: Civil Engineering (Construction  
 Engineering and Management)
- Feng Guo *Zhoukou, China*  
 B.E., Huazhong University of Science and  
 Technology  
 Department: Computer Science  
 Major: Computer Science  
 Thesis: Displacement-based two-finger  
 grasping of deformable planar objects
- Patrick J. S Hanway *Saint Joseph, Mo.*  
 B.S., Missouri Western State University  
 Department: Chemistry  
 Major: Organic Chemistry  
 Thesis: Theoretical and experimental studies  
 of oxenium ions
- Ricky Hardis *Bandung, Indonesia*  
 B.S., Purdue University  
 Department: Industrial and Manufacturing  
 Systems Engineering  
 Major: Industrial Engineering  
 Thesis: Cure kinetics characterization and  
 monitoring of an epoxy resin for thick  
 composite structures
- Derrick Hawley *Toronto, Ontario*  
 B.Sc., McGill University  
 Department: Agronomy  
 Major: Agronomy
- Jacki R. Hayes *Des Moines*  
 B.S., Iowa State University  
 Department: Interdisciplinary Graduate  
 Studies  
 Major: Interdisciplinary Graduate Studies  
 (Social Sciences)  
 Thesis: Goddess in a cape: Feminine divine  
 as comic book superhero
- Anne Thompson Heuscher *Bozeman, Mont.*  
 B.A., Western Washington University  
 Department: Community and Regional  
 Planning  
 Major: Sustainable Agriculture  
 Thesis: Empowerment in the context of  
 climate change: How community-based  
 organizations can play a role in engaging  
 citizens
- Jeffrey Scott Hodal *Palatine, Ill.*  
 B.S., Iowa State University  
 Department: Economics  
 Major: Economics
- Bin Huang *Fuzhou, China*  
 B.E., Harbin Institute of Technology  
 Department: Electrical and Computer  
 Engineering  
 Major: Electrical Engineering
- Katsuya Iwata *Nagoya, Japan*  
 B.E., Nagoya University;  
 M.E., *Ibid.*  
 Department: Computer Science  
 Major: Computer Science  
 Thesis: Black-box test case generation from  
 TFM module interface specifications and  
 usage statistics
- Robert Joseph Jaeger *Des Plaines, Ill.*  
 B.S., Iowa State University  
 Department: Mechanical Engineering  
 Major: Mechanical Engineering  
 Thesis: The effect of stochastic nano-scale  
 surface roughness on microfluidic flow  
 in computational microchannels
- § Wade W. Johanns *Mason City*  
 B.S., Iowa State University  
 Department: Industrial and Manufacturing  
 Systems Engineering  
 Major: Industrial Engineering  
 Thesis: The effect of tow grouping resolution  
 on shearing deformation of  
 unidirectional non-crimp fabric
- Lijin Ju *Changzhou, China*  
 B.S., Suzhou University  
 Department: Sociology  
 Major: Sociology  
 Thesis: College-educated Asian stay-at-home  
 mothers in U.S.
- Arun Chander Kalyanasamy *Ames*  
 B.Tech., Amrita Vishwa Vidyapeetham  
 University  
 Department: Computer Science  
 Major: Computer Science  
 Thesis: Adaptive interfaces for application  
 defragmentation in diverse operating  
 contexts
- †† Sangwook Kang *Seoul, South Korea*  
 B.A., Michigan State University  
 Department: Apparel, Events, and Hospitality  
 Management  
 Major: Hospitality Management  
 Thesis: Perceptions of the benefits and  
 challenges of purchasing local foods in  
 the Iowa hotel industry

Thomas Joseph Katavic                      *New York, N.Y.*  
B.A., McGill University  
Department: Psychology  
Major: Human Computer Interaction

Dennis Ndahura Katuuramu    *Fort Portal, Uganda*  
B.S., Makerere University  
Department: Horticulture  
Major: Horticulture  
Thesis: Evaluation of rootstock and crop load effects on the performance of 'Gibson Golden Delicious' and three scab-resistant apple cultivars

Ryan Scott Keweshan                      *Phillipsburg N.J.*  
B.S., Rowan University  
Department: Entomology  
Major: Entomology  
Thesis: Corn rootworm (*Diabrotica* spp.) and Bt corn: Effects on pest survival, emergence and susceptibility

Kaelynn Adele Koch                              *Van Meter*  
B.S., Iowa State University  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Thesis: An investigation of exploitation versus exploration in GBEA optimization of PORS 15 and 16 problems

Brian Thomas Krebel                      *Saint Louis, Mo.*  
B.S., University of Evansville  
Department: Agronomy  
Major: Agronomy

Joshua Lee LaGrange                      *Cedar Rapids*  
B.S., Iowa State University  
Department: Mathematics  
Major: Mathematics

Jinxin Li    *Lanzhou, China*  
B.S., Iowa State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Civil Engineering Materials)  
Thesis: Predicting early-age thermal behavior of mass concrete for bridge foundations

Yulong Li    *Shijiazhuang, China*  
B.S., Shanghai University of Sport  
Department: Kinesiology  
Major: Kinesiology  
Thesis: Validity of non-invasive methods for body composition measurements in older adults

Jun Yi Lio    *Skudai, Malaysia*  
B.S., Iowa State University  
Department: Food Science and Human Nutrition  
Major: Food Science and Technology  
Thesis: Using soybean and corn processing co-products in different fermentation systems

Jingfei Liu    *Harbin, China*  
B.A., Communication University of China  
Department: Journalism and Mass Communication  
Major: Journalism and Mass Communication  
Thesis: Framing health risk: How the U.S. and Chinese TV news covered H1N1 influenza

Erin Elizabeth Lower                      *Rochester, N.Y.*  
B.S., University of Michigan-Ann Arbor  
Department: Geological and Atmospheric Sciences  
Major: Geology  
Thesis: A high-resolution geochemical proxy record of Delta<sup>14</sup>C and Delta<sup>18</sup>O in the Gulf of Maine using *Arctica islandica* shell carbonate

Andrew William Luse                      *Lacona*  
B.S., Simpson College;  
M.S., Iowa State University;  
Ph.D., *Ibid.*;  
M.B.A., *Ibid.*  
Department: Psychology  
Major: Psychology

Jay Andrew Mathes                      *Pella*  
B.S., Iowa State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Construction Engineering and Management)  
Thesis: Integrated risk management for improving internal traffic control, work zone safety, and mobility during major construction

Gladys Y. Mbofung                      *Ngaoundere, Cameroon*  
Lic., University of Yaounde;  
M.Phil., University of Cape Coast;  
Ph.D., University of Arizona  
Department: Agronomy  
Major: Crop Production and Physiology (Seed Science)  
Thesis: Effects of maturity group, seed composition and storage conditions on the quality and storability of soybean (*Glycine max* L. Merrill) seed



Jun Meng *Chengdu, China*  
B.S., Iowa State University  
Department: Civil, Construction and  
Environmental Engineering  
Major: Civil Engineering (Environmental  
Engineering)  
Thesis: Nitrous oxide emission in Anammox  
reactor

Derek K. Meyer *Ames*  
B.S., University of Nebraska at Kearney  
Department: Electrical and Computer  
Engineering  
Majors: Information Assurance and  
Computer Engineering

Nicholas Lorenz Michaud *Boston, Mass.*  
B.A., Bard College  
Department: Statistics  
Major: Statistics

William Morse *Sterling Heights, Mich.*  
B.S., Central Michigan University;  
M.A., *Ibid.*  
Department: Psychology  
Major: Human Computer Interaction

Alka Mysore *Bangalore, India*  
B.E., Visveswaraiah Technological University  
Department: Supply Chain and Information  
Systems  
Major: Information Systems  
Thesis: Taxonomy of sustainable IT values

Anna Marie Nadermann *Farley*  
B.S., Iowa State University  
Department: Civil, Construction and  
Environmental Engineering  
Major: Civil Engineering (Structural  
Engineering)  
Thesis: Evaluation of bridge component  
design and construction techniques: A  
look at integral abutment bridge precast  
approach slabs and post grouted drilled  
shafts

Amir Hossein Dehghan Nayeri *Bondurant*  
B.S., Iowa State University  
Department: Animal Science  
Major: Animal Science  
Thesis: Transition performance and  
metabolic variables in periparturient  
Holstein cows fed increasing amounts of  
organic zinc

Uzma Nishat *Marion*  
B.S., North Carolina Agricultural and  
Technology State University  
Department: Electrical and Computer  
Engineering  
Major: Computer Engineering

§ Rachael Ann Ohde *Ames*  
B.S., Iowa State University  
Departments: Agronomy and Natural  
Resources Ecology and Management  
Majors: Crop Production and Physiology and  
Wildlife Ecology  
Thesis: The use of reconstructed prairies in  
Iowa's agricultural landscape to increase  
ecosystem services and move towards  
multifunctionality

Chris W. Olsen *Atlantic*  
B.S., Iowa State University  
Department: Veterinary Diagnostic and  
Production Animal Medicine  
Major: Veterinary Preventive Medicine  
Thesis: Sampling considerations pertinent to  
the detection of analytes in swine oral  
fluids

Nikolaos Pappas *Athens, Greece*  
B.S., Iowa State University  
Department: Computer Science  
Major: Computer Science  
Thesis: Extracting large quasi-bicliques using  
a skeleton-based heuristic

Holly Ellen Pearson *Fairbanks, Alaska*  
B.A., University of Alaska-Fairbanks  
Department: Sociology  
Major: Sociology  
Thesis: A methodological approach to  
examining racial and ethnic minorities  
with disabilities: Intersecting and  
interlocking race/ethnicity, disability,  
and gender

Benjamin Brett Petersen *Audubon*  
B.S., Buena Vista University  
Department: Geological and Atmospheric  
Sciences  
Major: Geology  
Thesis: An experimental study of ice-bed  
separation during glacial sliding

Maureen Kristel Petersen *Ames*  
B.S., Iowa State University  
Department: Sociology  
Major: Sustainable Agriculture  
Thesis: Undergraduate education and  
attitudes towards swine welfare

Kevin Scott Peyton *Sac City*  
B.S., Iowa State University  
Department: Agricultural and Biosystems  
Engineering  
Major: Agricultural Engineering (Advanced  
Machinery Systems)  
Thesis: Geographic information system tools  
for the analysis of commercial level  
multi-pass corn stover harvesting systems

Sheri Leigh Poulson *West Des Moines*  
B.S., Drake University  
Department: Psychology  
Major: Human Computer Interaction

Laila Alejandra Puntel *Necochea, Argentina*  
Ing., National University of Mar del Plata  
Department: Agronomy  
Major: Crop Production and Physiology  
Thesis: Field characterization of maize  
photosynthesis response to light and leaf  
area index under different nitrogen  
levels: A modeling approach

Nandhini Ramaswamy *Chennai, India*  
B.E., Anna University  
Departments: Computer Science and  
Mechanical Engineering  
Majors: Computer Science and Human  
Computer Interaction  
Thesis: Online tutor for research writing

Paul Glen Ratliff *Chillicothe, Mo.*  
B.S., University of Central Missouri  
Department: Agronomy  
Major: Agronomy

Ruth A. Rolling *Waterville*  
B.S., Iowa State University  
Department: Agronomy  
Major: Crop Production and Physiology  
(Seed Science)  
Thesis: Variability in soybean agronomic  
performance traits in response to 41° C  
heat and high relative humidity seed  
stress

Archit Saraf *Ames*  
B.Tech., West Bengal University of  
Technology  
Department: Computer Science  
Major: Computer Science

Luke Allen Schlangen *Excelsior, Minn.*  
B.S., Iowa State University  
Department: Industrial and Manufacturing  
Systems Engineering  
Major: Industrial Engineering  
Thesis: A methodology for the automation of  
dry fabric layup for fiber reinforced  
polymer composite manufacturing

Scott David Schrage *Sloan*  
B.A., Iowa State University  
Department: Journalism and Mass  
Communication  
Major: Journalism and Mass Communication  
Thesis: The impact of movie reviews vs. word  
of mouth on post-viewing evaluations of  
films

Jennifer Marie Senia *Little Rock, Ark.*  
B.S., University of Central Arkansas  
Department: Human Development and  
Family Studies  
Major: Human Development and Family  
Studies  
Thesis: Precursors to family formation and  
socioeconomic development

Kevin R. Severs *Marengo, Ill.*  
B.S., Iowa State University  
Department: Materials Science and  
Engineering  
Major: Materials Science and Engineering  
Thesis: High temperature coatings based on  
Beta-NiAl

Robert Thomas Sheldon *Cary, Ill.*  
B.S., Purdue University  
Department: Electrical and Computer  
Engineering  
Major: Electrical Engineering  
Thesis: Electrical and capacitive methods for  
detecting degradation in wire insulation

Chia-Yu Shen *Taipei, Taiwan*  
B.S., National Tsinghua University  
Department: Chemistry  
Major: Organic Chemistry  
Thesis: Nanodiscs via interfacial cross-  
linking of smectic liquid-crystalline  
phase and their application

Gus Leonard Shryack *Macomb, Ill.*  
B.S., Iowa State University  
Department: Civil, Construction and  
Environmental Engineering  
Major: Civil Engineering (Structural  
Engineering)  
Thesis: Field monitoring and evaluation of  
curved girder bridges with integral  
abutments

Wilmina Mary Siegfried      *Minneapolis, Minn.*  
B.S., Augsburg College  
Department: Statistics  
Major: Statistics

Anurag Sobti      *Chandigarh, India*  
B.Eng., Punjab University;  
M.S., Iowa State University;  
M.B.A., *Ibid.*  
Department: Mathematics  
Major: Applied Mathematics

Mark Edwin Stenerson      *Wisconsin Rapids, Wis.*  
B.S., University of Wisconsin-Stevens Point  
Department: Genetics, Development and Cell  
Biology  
Major: Human Computer Interaction  
Thesis: Academic game development:  
Practices and design strategies for  
creating STEM games

Katie Jo Strand      *Otis, Colo.*  
B.S., Colorado State University  
Department: Agronomy  
Major: Plant Breeding  
Thesis: The effect of carotenoid candidate  
genes on the photosynthetic capacity of  
sorghum as assessed by Linkage  
Disequilibrium mapping

Weixing Sun      *Nanjing, China*  
B.S., Shandong University  
Department: Materials Science and  
Engineering  
Major: Materials Science and Engineering  
Thesis: Cyanate ester based multifunctional  
nanocomposites for structural capacitors

Ali Surel      *Ames*  
B.S., Cankaya University;  
B.S., Iowa State University  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Thesis: Energy performance analysis of  
pelotint dynamic Sun Pensitive  
Thermochromic (SRT) windows

Michael Steven Svendsen      *Woodbury, Minn.*  
B.S., Iowa State University  
Department: Electrical and Computer  
Engineering  
Major: Computer Engineering  
Thesis: Mining maximal cliques from large  
graphs using MapReduce

Laura Sweeney      *Ames*  
B.S., Iowa State University  
Department: Interdisciplinary Graduate  
Studies  
Major: Interdisciplinary Graduate Studies  
(Social Science)

Samantha Ashley Terhorst      *Brown Deer, Wis.*  
B.S., Iowa State University  
Department: Veterinary Microbiology and  
Preventive Medicine  
Major: Toxicology  
Thesis: Systemic infection induced by  
*Campylobacter jejuni*: Development of a  
mouse model and elucidation of  
molecular mechanisms

Nathanael K. Van Velson      *Seward, Neb.*  
B.S., University of Nebraska at Lincoln  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Thesis: Low-dimensional micro/nanoscale  
thermal transport

Joseph R. Vanstrom      *Ham Lake, Minn.*  
B.S., Iowa State University  
Department: Agricultural and Biosystems  
Engineering  
Major: Industrial and Agricultural  
Technology  
Thesis: Mechanical characterization of  
commercial biodegradable plastic films

Sam Robert von Gillern      *West Des Moines*  
B.S., Iowa State University  
Department: Curriculum and Instruction  
Major: Education (Historical, Philolophical,  
and Comparitive Studies in Education)  
Thesis: Accessing an undergraduate program  
in the United States: Latin American  
male experiences and perceptions

Maria Vorozhbit      *Birobidzhan, Russia*  
Dipl.Sp., Birobidzhan State Pedagogical  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Research and Evaluation)  
Thesis: Effect of supplemental instruction on  
student success

Bo Wang      *Xi'An, China*  
B.S., Iowa State University  
Department: Civil, Construction and  
Environmental Engineering  
Major: Civil Engineering (Transportation  
Engineering)  
Thesis: Driving behavior of hybrid bus

Chao Wang *Dalian, China*  
B.S., Dalian University of Technology  
Department: Agricultural and Biosystems  
Engineering  
Majors: Environmental Science and  
Biorenewable Resources and Technology  
Thesis: Photonanocatalyst aided alkaline  
pretreatment and Raman spectroscopic  
characterization of corn stover biomass

Shawna Leigh Weimer *Marshalltown*  
B.S., Iowa State University  
Department: Animal Science  
Major: Animal Physiology (Ethology)  
Thesis: Animal-human interaction  
comparing live human observation and  
digital image evaluation methodologies

Jennifer Anne Woods *Blackie, Alberta*  
B.S., Colorado State University  
Department: Veterinary Diagnostic and  
Production Animal Medicine  
Major: Veterinary Preventive Medicine  
Thesis: Analysis of the use of the "CASH"  
Dispatch Kit captive bolt gun as a single  
stage euthanasia process for pigs

Yanwen Xiong *Johnston*  
B.Agron., Jiangxi Agricultural University;  
M.S., China Agricultural University;  
PhD., Iowa State University  
Department: Statistics  
Major: Statistics

Zhang Xu *Foshan, China*  
B.S., South China University of Technology  
Department: Journalism and Mass  
Communication  
Major: Journalism and Mass Communication  
Thesis: Uses and gratifications on social  
networking sites: Analysis of use and  
value of social networking sites for three  
types of social capital on college students

Xin Xue *Xi'An, China*  
B.A., Changan University  
Department: Journalism and Mass  
Communication  
Major: Journalism and Mass Communication  
Thesis: Testing the effects of partisan bias on  
racial framing of presidential candidates:  
Coverage of Barack Obama and Herman  
Cain by Fox and MSNBC in 2011

Yueran Yang *Sanmenxia, China*  
B.S., Beijing University  
Department: Psychology  
Major: Psychology  
Thesis: How uncertain future consequences  
exacerbate a propensity among suspects  
to make short-sighted confession  
decisions

Hanyu Yangcheng *Xuancheng, China*  
B.E., China Pharmaceutical University  
Department: Food Science and Human  
Nutrition  
Major: Food Science and Technology  
Thesis: Characterization of normal and waxy  
corn starch for bioethanol production

Kam Leung Yeung *Hong Kong*  
B.S., Cornell University  
Department: Psychology  
Major: Psychology  
Thesis: An implicit approach to object  
valuation and psychological ownership

†† Xin Zhao *Ames*  
B.E., University of Electronic Science and  
Technology of China;  
M.E., *Ibid.*  
Department: Electrical and Computer  
Engineering  
Major: Computer Engineering  
Thesis: Line search based inverse lithography  
technique for mask design

Yifan Zhao *Ames*  
B.S., Iowa State University  
Department: Statistics  
Major: Statistics

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

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## BACHELOR OF SCIENCE

---

### Curriculum in Agricultural and Life Sciences Education

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Callie Allison Coates	Maquoketa	Katie Marie Diemer	Hawkeye
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### Curriculum in Agricultural Business

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Arif Budiman		Benjamin Thomas Dittmer	Eldridge
Seth Marlowe Campbell	Neola	Daniel Joseph Schrock	Amboy, Ill.

### Curriculum in Agricultural Studies

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Chance Reid Ferguson		Johannes F. Laubscher	Huxley
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### Curriculum in Agricultural Systems Technology

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Adam Roy Bowers	Alburnett	Spencer Edward Klocke	Nodaway
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### Curriculum in Agronomy

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Ashley Marie Bomar	Madrid	***†Nathaniel Thomas Looker	Des Moines
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### Curriculum in Animal Ecology

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Maurice LoBalu Aduto	Ames	Karl Joe Kozak	Riceville
Nicholas Justin Baumgarten	Harvey	Kelly Jean Larson	West Liberty
Amanda Nicole Chung	Kansas City, Mo.	Brad Andrew Nelson	Johnston
Cale Scott Edwards	Knoxville	Natasha Marie Nielsen	Fort Dodge
Trista Lee Hall	Tama	Jessie N. Wyborney	Waterloo
** McKenna Mary Hansel	Guttenberg		

### Curriculum in Animal Science

---

Kelly Elizabeth Borns	Chanhassen, Minn.	Sean Connor Murphy	Arlington Heights, Ill.
** Brittney Leigh Feigenbutz	Corning	Jacqueline Carol Penny	Saint Pete Beach, Fla.
Da Bin Lee	Bangkok, Thailand	** Christopher Todd Sievers	Albert City

### Curriculum in Biology

---

Luke Bryan Hardie	Ankeny	** Amy Lynn Podaril	Columbus Junction
Angela Marie Johnson	Granger	Katherine Victoria Wilson	Indianola
Timothy James Landwehr	Overland Park, Kans.		

### Curriculum in Environmental Science

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James Lee Madden	Ankeny
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\* Cum Laude  
 \*\* Magna Cum Laude  
 \*\*\* Summa Cum Laude  
 † Honors Program

### **Curriculum in Forestry**

---

Angela Lea Stone                      *Springfield, Mo.*

### **Curriculum in Global Resource Systems**

---

Emily Rose Bloom                      *San Diego, Calif.*                      \*\*\*†Nathaniel Thomas Looker                      *Des Moines*

### **Curriculum in Horticulture**

---

Benjamin James Bergum                      *Viroqua, Wis.*                      Ashlee Ann Nelson Theel                      *Waterloo*  
Jared Lynn Olsen                      *Atlantic*

### **Curriculum in Industrial Technology**

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Benjamin R. Early                      *Davenport*                      Ryan Henry Lapointe                      *Robbinsdale, Minn.*  
Spencer Stephen Kaminsen                      *Edina, Minn.*                      Justin Alex Schuck                      *West Des Moines*  
Michael Joseph Kruse                      *Harlan*                      Shaun Allen Starbuck                      *Pleasant Hill*

### **Curriculum in Microbiology**

---

Erica Jean Jorgensen                      *Des Moines*                      Kelvin R. Navarro                      *Vegabaja, Puerto Rico*

### **Curriculum in Public Service and Administration in Agriculture**

---

Ryan William Tierney                      *Ames*

### **Multiple Curricula**

---

Nolan Robert Currie                      *Ames*                      Mari Angélica Valderrama Figueroa  
*Global Resource Systems and Environmental*                      *Aquadilla, Puerto Rico*  
*Science*                      *Biology and Environmental Studies*

Kyle David Spowart                      *Knoxville*  
*Industrial Technology and Agricultural*  
*Systems Technology*

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

# CANDIDATES FOR DEGREES FROM THE COLLEGE OF BUSINESS

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## BACHELOR OF SCIENCE

---

### Curriculum in Business

#### Major in Accounting

---

Ryan Dean Baker	Marshalltown	Yu Liu	Jinan, China
Katie Louise Benson	Waukee	Ian L. Loomis	Ottumwa
Shawn Robert Bowers	Gilman	Joshua McConico	Chicago, Ill.
Cory A. Bunch	Prole	Janelle Juleen Moore	Ames
Nan Chen	Lanzhou, China	* Mengting Ni	Jinhua, China
Brianna Leigh Ehlers	Sioux Rapids	Catherine Elizabeth Scott	West Des Moines
Colin James Freeseaman	Dike	* Joseph Anthony Tisinger	Bettendorf
Brent D. Halbur	Breda	Andrea Leigh Vollink	Ames
Jennifer Ann Klyn	Ottumwa	YiLin Wang	Zhengzhou, China

#### Major in Business Economics

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Ivan V. Martirosov	Des Moines	Ruben V. Martirosov	Des Moines
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#### Major in Finance

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Christopher William Alley	Ogden	Arnaud Michel Ndhokubwayo	
Carl William Bishop	Prior Lake, Minn.		Bujumbura, Burundi
Shawn Robert Bowers	Gilman	Kyle John Roberts	Eagan, Minn.
* Sumac Elisa Cárdenas Oleas	Riobamba, Ecuador	Aaron James Sedam	Davenport
Nicholas Joseph Davisson	West Des Moines	* Joseph Anthony Tisinger	Bettendorf
* Alisha Jane King	Mondamin	Bing Wang	Dunhua, China
Timothy Allen Kunze	Ute	** Ryan Phillip Warnke	Sheldon
Yu Liu	Jinan, China	Logan M. Woehl	Ankeny
Alvin K. Lovanrack	Des Moines	Fang Xiang	Chengdu, China
Janelle Juleen Moore	Ames	Yi You	Chengdu, China
		Yi Zhao	Shenyang, China

#### Major in Management

---

Ryan Lloyd Ammons	Albia	Richard Thomas Morgan	Tulsa, Okla.
Travis Michael Hoyle	Hubbard	Benjamin Craig Petersen	Atlantic
Jarod Christopher Huser	Sioux City	Phoulathsamy Prasith	Storm Lake
Bethany Joy Ingram	Altoona	Edward Jackson Spiller	Glen Ellyn, Ill.
*** Susan Arlene Kohnen	Denver	Maxwell Donald Stabenow	Waterloo
Andrew Kyle Marsh	Bettendorf		

#### Major in Management Information Systems

---

Mitchell Lee Fletcher	Muscatine	Cornelius Qua'Tez Simmons	Lone Star, Tex.
Damien Carl Jones		Ryan A. Wisnousky	Pleasant Hill
Matthew Jeffrey Schlue	Davenport		

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

## Major in Marketing

---

Victoria Katherine Ahn	Marshalltown	Robert Bruce Remme	Rochester, Minn.
Osama Mohammed Al Masri	Riyadh, Saudi Arabia	Laura Anne Rendall	Ames
Elizabeth Ann Holman	Woodbury, Minn.	Winston Walter Rowley	Davenport
Jay Richard Kasperbauer	Carroll	Austin David Schoeppner	Templeton
Ryan Christopher Mauritz	Dubuque	Krystina Anne Schouten	Dallas Center
Cassie Anne Medrano	Ringwood, Ill.	Terry James Teng	San Jose, Calif.
Austin Michael Parham	Coppell, Tex.	Stephen Ryan Vyskocil	Buffalo Grove, Ill.

## Major in Operations and Supply Chain Management

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Cody C. Todd	Sibley
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## Major in Supply Chain Management

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Nico John Muth	Fort Madison	Ge Yu	Ames
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## Multiple Curricula and Majors

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Renaë Cathleen Cooper	Cedar Rapids	Amy Nicole Longenecker	Goshen, Ind.
<i>Accounting and Management</i>		<i>Accounting and Supply Chain Management</i>	
*** Sara Jessie Dobbin	Cedar Rapids	Ryan James Pithan	Ute
<i>Accounting and Liberal Arts and Sciences:</i>		<i>Accounting and Finance</i>	
<i>Major in Spanish</i>		Jessyca Lee Smith	Mason City
Samantha Jo Hawbaker	Colfax	<i>Supply Chain Management and Marketing</i>	
<i>Marketing and Management</i>		Jared Walker Spann	Waukeë
Melissa Kay Jacobsen	Audubon	<i>Finance and Marketing</i>	
<i>Accounting and Finance</i>		Paris Janae Tindrell	Des Moines
Mark Andrew Krismanits	Moline, Ill.	<i>Marketing and Management</i>	
<i>Management and Finance</i>			

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



# CANDIDATES FOR DEGREES FROM THE COLLEGE OF DESIGN

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## BACHELOR OF ARCHITECTURE

---

### Curriculum in Architecture

---

Ann Maureen Cashman                      Waverly

## BACHELOR OF ARTS

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### Curriculum in Art and Design

---

Noah Ray Gildermaster                      Ames                      Brad Andrew Nelson                      Johnston

## BACHELOR OF FINE ARTS

---

### Curriculum in Graphic Design

---

Hieu Van Nguyen                      Mount Pleasant                      Levi Loren Ward                      Ryan

### Curriculum in Integrated Studio Arts

---

Omar A. Flores Cordero San Juan, Puerto Rico                      Robert Songkham                      Des Moines  
Jacob Michael Marti                      Story City                      Lyle Kenney Wickham                      Dubuque  
Jordan L. Ray                      Greenfield

### Curriculum in Interior Design

---

Sherese Marie Danielsen                      Cedar Falls

## BACHELOR OF LANDSCAPE ARCHITECTURE

---

### Curriculum in Landscape Architecture

---

Colby James Fangman                      Elma

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

# CANDIDATE FOR DEGREES FROM THE COLLEGE OF ENGINEERING

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## BACHELOR OF SCIENCE

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### Curriculum in Aerospace Engineering

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Heidi Rochelle Ebert	Kilkenny, Minn.	Jacob Dean Harvey	Waterville
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### Curriculum in Agricultural Engineering

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Ryan Robert Bell	Newton	Eric William Burke	Niles, Ill.
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### Curriculum in Chemical Engineering

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Elizabeth Anne De Hoedt	Ames	William Frederick Lohry	Sioux City
** Kianna Yvonne Elahi	Omaha, Neb.	Ana Marie Williams	Delta, Colo.
Alex Gill Fletcher	Fort Dodge		

### Curriculum in Civil Engineering

---

Andrew Joseph Case	Adel	Jason Anthony Ledden	Portage, Mi.
** Adam Philip Christiansen	Omaha, Neb.	Preston Keith Moon	Ankeny
Andrea Rose Gettings	Ankeny	Alexandra Nicole Paul	Cedar Grove, Wis.
Matthew David Heimann	Westmont, Ill.	Xintao Xiong	Changzhou, China
** Janyce Michelle Kesselmayr	Warrenville, Ill.		

### Curriculum in Computer Engineering

---

Steven Paul Bruening	New Hampton	Yixin Qiao	Ames
Jeremy Lee DeBerg	Dike		

### Curriculum in Construction Engineering

---

Jacob Richard Boyle	Cedar Rapids	Innocent Ndayinzeye	Cedar Rapids
Corey Stephen Brown	Weston, Fla.	Vincent Michael Terzano-Borovic	Dubuque
Austin Christopher Green	Rock Island, Ill.		
Wesley R. Hazelett	Lake Wallenpaupack, Pa.		

### Curriculum in Electrical Engineering

---

Anthony Ford Arrett	Maple Grove, Minn.	Richard Anthony Rojas	Clinton
* Guoyan Kai	Dalian, China	Avinav Verma	Nagoya, Japan
Daniel E. Kosac	Mount Prospect, Ill.	Yang Yang	Ningbo, China

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

## Curriculum in Industrial Engineering

---

	Blaise Benjamin Bakke	Carroll	***† Carl Joseph Kirpes	West Des Moines
**	Bradley John Coffman	Ankeny	Yi-Fan Tseng	Ames
*	Stephen Scott Duey	Waukee		

## Curriculum in Materials Engineering

---

	Zachary Brian Carstensen	Charlotte	** Kevin Richard Severs	Marengo, Ill.
*	Nathan Alan Kleppe	Manchester		

## Curriculum in Mechanical Engineering

---

	Muhammad Aizat Amir Hassan		Matthew Aaron Johnson	Northbrook, Ill.
		Kuala Lumpur, Malaysia	Alex M. Kalitzki	Indianola
	Anthony Robert Carter	Brooklyn Park, Minn.	***† Carl Joseph Kirpes	West Des Moines
	Adam B. Clark	Ogden	Bryan C. Krivo	Richfield, Minn.
	Jordan G. Dyar	Ankeny	*** Stephen Edward Laskowski	Rochester, Minn.
	Jay Edward Ellis	Fonda	** Jill Marie Middendorf	East Dubuque, Ill.
**	Claire Susan Funke	Dubuque	Joshua Niel Phipps	Larchwood
	Keysha Collette Hennings	Dallas, Pa.	Christopher Carl Quinnett	Eldridge
	Gregory R. Hildner	Glen Ellyn, Ill.	William E. Roberts	Guttenberg
	Michael Arthur Hoff	Des Moines	Brian Charles Snider	Walford
**	Lei Huang	Zhangjiagang, China	Kevin Patrick Welsh	Downers Grove, Ill.
	Joseph Lee Huston	Columbus Junction	Sarah E. Wilson	Cedar Falls
	Joshua Andrew Ihm	Dubuque	** Songzhe Xu	Huangshi, China
	Jordan Anthony Jobs	Lake Zurich, Ill.		

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

# 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

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Kristina Catherine Beswick Xuejiao Li	Johnston Fushun, China	Amanda Joan Stergiades	Boca Raton, Fla.
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### Curriculum in Apparel Merchandising, Design, and Production

---

Rochelle Lynn Anderson	Minnetonka, Minn.	*	Kelsey Alyse Pedersen	Urbandale
Heather Marie Beeman	Urbandale		Cassandra Joy Polzin	Cedar Rapids
Courtney Elizabeth Carson	Moline, Ill.		Kaylee Marie Proctor	Wilton
Christine Marie Davis	Neenah, Wis.		Kasey Morkin Radtke	Elm Grove, Wis.
Chelsea Danyelle DeVore	Earlham		Carleigh Ann Rose	Bettendorf
Lauren Leigh Dixon	Ames		Emma Maren Schroeder	Eden Prairie, Minn.
Nadia Marie Dunlap	Iowa City		Jennifer Evellyn Sonner	Hedrick
Callie Elizabeth Flolid	Chanhassen, Minn.		Jennifer A. Stites	Des Moines
Marcus Suresh Galvin	Cherokee		Carly Jo Supple	Hopkinton
Alexandra Elizabeth Hoffman	Ankeny		Dana Jo Swecker	Lakeville, Minn.
Natalie C. Larson	Ames		Emily Elizabeth Tindall	Clear Lake
Danielle M. Nahra	Sioux City		Amy Rose Whitman	Delhi

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

---

Karla Baez	Perry		Susan Markose	Ottumwa
Emily Christine Bright	Norwalk		Megan Michelle Martfeld	Le Mars
Nathaniel Kenneth Lloyd Davis	State Center		Jessica N. Mathre	Madrid
Alexandra Marie Ford	Malvern	*	Josie Hannah McDowell	Grundy Center
Dylan James Frost	Winterset		Lolita A. Minefee	Chicago, Ill.
Tabithia Spring Gatlin	New London		Jessica Michelle Osterholm	Mason City
* Laura Ann Geake	Wall Lake	*	Emily Paige Rheinhardt	Bettendorf
Erin Soorholtz Greer	Marshalltown		Lexi Nicole Schultze	Perry
Ashley Lyn Hamilton	Ames		Shannon M. Slifka	Cresco
Courtney Marie Hart	Burlington	*	Abbie Marie Smith	Belmond
Dawn Marie Kieler	Ames		Sarah Marie Thvedt	Beresford, S. Dak.
Jacob Edward King	Ames		Lauren Marie Wolyniec	Darien, Ill.
*** Abigail Marie Kline	Bettendorf		Ashley Michelle Zimmerman	Stanton
Molly Kathleen Mahoney	Ames			

### Curriculum in Culinary Science

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* Elise Mackenzie Fiscus	Union	Kendall Marie Olson	Mason City
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### Curriculum in Diet and Exercise

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** Danielle K. Alexander	Marshalltown	** Sarah Ann Davis	Granger
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### Curriculum in Dietetics

---

** Lyndi Marie Buckingham	Waverly
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\* Cum Laude  
 \*\* Magna Cum Laude  
 \*\*\* Summa Cum Laude  
 † Honors Program

## Curriculum in Elementary Education

---

LaYssa Janay Clay  
Craig Robert Hendrix

Keokuk  
Council Bluffs

Allison Judith Kirk  
Cameron Thomas Vance

Clive  
Shenandoah

## Curriculum in Event Management

---

Michelle Kay Johnson Overland Park, Kans.

Kelsey Madison Theresa Wigg  
West Des Moines

## Curriculum in Family and Consumer Sciences Education and Studies

---

Rebecca L. Young

Fairfield

## Curriculum in Food Science

---

Andrea Michelle Lubben

La Porte City

Jessica Yang

Pella

## Curriculum in Hotel, Restaurant, and Institution Management

---

Kent A. Kramp  
Celine Alysse Paulus

Buffalo, Minn.  
Yorba Linda, Calif.

Kristina Rose Sperfslage

Winthrop

## Curriculum in Kinesiology and Health

---

Shea Elise Anderson	Oakland	Ashley Ann Lickteig	Cedar Falls
Emily Kristine Bisbee	Bettendorf	Christopher Wayne Mackay	
M. Reid Branderhorst	Fort Dodge		Missouri City, Tex.
Kiara Renee Brooks	West Des Moines	** Caitlin Ann McConnell	Armstrong
Brett Thomas Bueker	Bettendorf	Nicholas Wayne McGee	Colfax
Nicole I. Burson	Omaha, Neb.	Abbey Leigh Miller	Fairfax
Rachael Cory Castaner	Indianola	Christine Leigh Monson	Stratford
Katherine Denise Condon	Barnum	Chantelle Ashlee Nguyen	Cedar Rapids
Marissa A. Cwach	Stilwell, Kans.	* Jason William Ostrander	Jefferson
Jenna Marie Fessler	Muscatine	Jessica Katherine Overberg	Grimes
Wesley Alan Geary	West Des Moines	Jeffrey John Anthony Pauley	Jesup
Matthew Tomes Godfrey	Saint Charles	Mitchell H. Paulsen	Mason City
Rachel M. Griffith	Prescott	Andrea Leigh Peterson	Eden Prairie, Minn.
Leah Rose Guidolin	Bloomington, Ill.	Chad Andrew Phares	Colo
* Danielle Renae Gustafson	Union	Jesse Joe Puck	Spirit Lake
Thomas Scott Hayes Jr.	Germantown, Ohio	Kelsey Lynn Reiter	Hudson
Alyssa Michelle Heaven	Coralville	Donald James Riehm	Cedar Falls
Alexandrea Elizabeth Hoefling	Marcus	Nick C. Roenfeld	Malvern
Carla Jean Jenson	Omaha, Neb.	Sara Elizabeth Tanner	Ottumwa
Merri Alyce Johns	Des Moines	Brandon Michael Vande Brake	Sioux City
Abigail Ann Johnson	Urbandale	Jared Lee Vickroy	New Virginia
Marisa Nichol Kail	Marshalltown	Maggi Mae Vodraska	Spencer
Jake Leroy Knudsen	Atlantic	Kristi Lynn Wellman	Oskaloosa
Samantha J. Konz	Sioux City	Chelsea Serena Wise	Farmington, Ark.

## Curriculum in Nutritional Science

---

\*\*\*† Rachael Shikha Farhat

Omaha, Neb.

Vishal Dinesh Patel

Glenview, Ill.

\* Cum Laude

\*\* Magna Cum Laude

\*\*\* Summa Cum Laude

† Honors Program

# CANDIDATES FOR DEGREES FROM THE COLLEGE OF LIBERAL ARTS AND SCIENCES

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## BACHELOR OF ARTS

### Curriculum in Liberal Arts and Sciences

---

#### Major in Advertising

---

Kaitlyn Elise Carpenter	Grimes	Amanda Meeks	Altoona
Adam J. Carver	Clive	Gabriel Austin Noll	New London
Jacob D. Chenchar	West Des Moines	Corinne J. Oertel	Dubuque
Chandler David Faldet	Cresco	Kelsey Alyse Pedersen	Urbandale
Benjamin Joel Friedrich	West Union	Karen A. Phelps	Iowa City
Matthew Clark Irwin	Adel	Stephen Andrew Scherle	Sioux City
Robin Beth Kamenjarin	Naperville, Ill.	Lindsey Ann Woody	Ankeny
Kate Frances Malott	Newton		

#### Major in Communication Studies

---

Kelsey Marie Ahern	Medina, Minn.	Unshin Lee	Seoul, South Korea
Caleb Wesley Avery	Rowan	Lukes Scott Russett	Clive
Jennifer Grace Burns		Christian Carl Sorensen	Harlan
Ryan Charles Clemens	Harlan	Hannah Grace Stemper	Libertyville, Ill.
Katrina Suzette Day	Chariton	Jennifer Lynn Sveum	Chariton
Kevin Michael Egan	West Des Moines	Matthew Kamuela Tevita Taufouu	San Carlos, Calif.
Justin Lee Himes	Clive	Grace Ann Warner	Pleasantville
Colin John Kurtz	Des Moines		
Tramell Marshea Lackland	Clinton		

#### Major in English

---

Megan Rae Fink	Maynard	Elizabeth Lee Opie	West Des Moines
Clayton Duane Mooney	Blakesburg	Kaylee N. Rodgers	Des Moines

#### Major in French

---

Emily Rose Bloom	San Diego, Calif.
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#### Major in Interdisciplinary Studies (Criminology and Criminal Justice)

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Joshua Alexander Begg	Ankeny	Kyle Charles Rafferty	Freeport, Ill.
Jasmina Halkic	Des Moines	Christopher Ryan Reischl	Manning
Jay William Hornung	Ames	Dianna Ristau	Fort Dodge
Anthony Douglas Knox Jr.	West Des Moines	Stephen Geoffrey Ruempolhamer	Amsterdam, The Netherlands
Andrew J. Scott Luiken	Steamboat Rock	Brett Riley Sink	Stanton
Adam Paul McChesney	Rosemount, Minn.	Shane Paul Thorsten	Waukon
Kelly Marie Midtling	Webster City	Garrett Richard Waterbury	Akron
Jared Alvin Nolte	Ackley	Kayne Weaver	Sioux City
Matthew Steven Paulsen	Muscatine		
Jacob Anthony Prest	Carroll		

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

## Major in Music

---

\*† Kaleb Patrick Kyle Warnock Perry Elizabeth Marie Bevilacqua Newton

## Major in Performing Arts

---

Matthew Lee Meldrem Grinnell Jefferson L. White Mount Vernon  
Madison Fae Welterlen Boone

## Major in Philosophy

---

Alexander Stephen Anderson  
West Des Moines

## Major in Political Science

---

Brittany Anne Bailey Mason City Rebecca Lynn Hayes Nashua, N.H.  
Matthew Calvin Brinkley Hanover, Md. Michael Joseph McElligott Mundelein, Ill.  
Lori Ann Bullock Ankeny Marcus Laurance Munoz Urbandale  
Randy Udom Chanthavong Des Moines \*\*\* Hallie Madison Schon Glidden  
Katie R. Delzell Sioux City Garrett Scott Suchting Red Oak

## Major in Psychology

---

Kayla Jane Boullion Tripoli Samantha J. Konz Sioux City

## Major in Sociology

---

\* Michelle Kim Buseman Ames Sanela Zahirovic Ankeny  
Jasmina Halkic Des Moines

## Major in Spanish

---

\*\* Claire Susan Funke Dubuque Karen A. Phelps Iowa City

## Major in World Languages and Cultures (Spanish)

---

Samantha Jean Statler Ankeny

## Multiple Majors

---

Meghan Rachelle Alexander Mingo Deborah C. Stadick Watertown, Wis.  
Interdisciplinary Studies (Criminology and English and Technical Communication  
Criminal Justice) and Sociology  
Meridith Lynn Trow Ames  
Natiely Yudith Montoya Gamez Ottumwa Interdisciplinary Studies (Criminology and  
Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology  
Criminal Justice) and Sociology  
Benjamin Paul Weis Prescott  
Amanda D. Platt Algonquin, Ill. Interdisciplinary Studies (Criminology and  
Psychology and Interdisciplinary Studies Criminal Justice) and Sociology  
(Criminology and Criminal Justice)

\* Cum Laude

\*\* Magna Cum Laude

\*\*\* Summa Cum Laude

† Honors Program

# BACHELOR OF LIBERAL STUDIES

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## Curriculum in Liberal Studies

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Mark Thomas Anderson	Urbandale	Jacob R. Lattimer	Fort Scott, Kans.
Eric John Badding	Ames	Thomas Patrick Leier	Marion
Anthony DeWayne Booker Jr.		JoLynn Marie Mahoney	Boone, N.C.
	Saint Louis, Mo.	Denton Jacob Patrick	Guthrie Center
Katie Mae Brown	North Liberty	Allison Mae Peterson	Story City
Nathanael Lewis Carr	Gray, Ga.	Hung A. Phan	Johnston
Kathlyn Mae Carver	Des Moines	Christopher Mark Roden	Webster City
Joseph Luis Curtis	Bettendorf	Alisha Renee Seeley	Indianola
John Lindsay Davis	Colorado Springs, Colo.	David M. Shipley	Grimes
Nicolas Seth Dayton	Polk City	Sara Marie Slater	Denison
Sarah Jane Evans	Beaver	Kristen Ashley Stoberl	Audubon
Michael Craig Foley	Polk City	Ashley M. Vitiritto	Des Moines
Kristin Nichole Hewitt		Daniel Kramer Washburn	Cincinnati, Ohio
Molly Christine Jackson	Weldon	Christopher M. Weiler-Babb	Arlington, Tex.
Daniel Ray Jacobs	Harlan	Allison Kay Wenthe	West Des Moines
Keenan Clark Lang	Naperville, Ill.		

# BACHELOR OF MUSIC

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## Curriculum in Music

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Alexander Scott Brosseau	Clive	* Kathryn Michelle Mosiman	Ames
Matthew James Gaunitz			

# BACHELOR OF SCIENCE

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## Curriculum in Liberal Arts and Sciences

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### Major in Anthropology

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Rachel Lea Potter	Muscatine	Sanela Zahirovic	Ankeny
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### Major in Biology

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Sarah Johanna Caudill	Des Moines	Carmen Ixel León	Chicago, Ill.
Colin M. Coulter	Des Moines	Dustin Scott Peyton	Eldora
Sara Lyn Garton	Ute	Amy L. Ratermann	Burke, S. Dak.
Drew Allen Iannone	Bettendorf		

### Major in Chemistry

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Zachary Petersen Juhl	Marshalltown	** Yixin Ma	Suzhou, China
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### Major in Computer Science

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* Keji Hu	Ningbo China	Luyao Pan	Beijing, China
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\* Cum Laude  
\*\* Magna Cum Laude  
\*\*\* Summa Cum Laude  
† Honors Program



## Major in Genetics

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Philip John Brando      *Middletown, Md.*

## Major in Geology

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Joshua Alex Asplund      *Marshalltown*      \*\*\* Katherine Suzanne Frank      *Clive*  
Haniff Bin Hamdan      *Kuala Lumpur, Malaysia*      Hunter Gilbert Smoak      *Cedar Rapids*

## Major in History

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Eduardo Pedro Diego Boro      *Fort Dodge*      Lucas Fay Moore      *Story City*  
Elizabeth Anne Melander      *Mahtomedi, Minn.*      Nathaniel Charles Sandrock      *Burlington*

## Major in Journalism and Mass Communication

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Erin Rae Amend      *Woodbury, Minn.*      Thomas Jordan Page      *Des Moines*  
Alec McMillen Burns      *West Des Moines*      Lauren Ann Ryan      *Chicago, Ill.*  
Jeremiah James Davis      *Sioux Rapids*      Kira Leigh Sedwitz      *Burnsville, Minn.*  
Samantha S. Edwards      *Marshalltown*      \*\* Mallorie Ann Sheldahl      *Huxley*  
Vincent Michael Geerts      *New Hampton*      Sarah Brienne Tisinger      *Bettendorf*  
Cicely Jo Gordon      *Johnston*      \*† Kaleb Patrick Kyle Warnock      *Perry*  
Jacob Llayne Lovett      *Garden Grove*      \* Nicole Marie Wiegand      *South Bend, Ind.*  
Cameron Skye McKenzie      *Clive*      Colleen Ellen Wieseler      *Polk City*  
Andrew John Moran      *Woodward*

## Major in Mathematics

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\*\* Sarah Elizabeth Andrews      *Homestead*      John Maxwell Feller      *Grimes*  
Michael Lee Felderman      *La Motte*

## Major in Psychology

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\* Stephani Lynne Anderson      *Dewar*      Madison Jo Homervold      *Des Moines*  
Cassandra Rose Anglade           Lauren A. Miller      *West Des Moines*  
Nicholas R. Clewell      *Roselle, Ill.*      Dustin Scott Peyton      *Eldora*  
Elizabeth Rose Donald      *Muscatine*      Theodore A. Sics      *Ames*  
Anthony W. Funk      *Clear Lake*

## Major in Sociology

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Nicholas Jon Runkel      *Des Moines*

## Major in Statistics

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Yen Chih Lin      Jianyu Zheng      *Chengdu, China*

## Major in Technical Communication

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\*\* Jason Lee Borkowski      *Cherokee*      Christen Kay Meyer      *Ames*  
\*\* Erin Michelle Fischer      *Walcott*

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

## Multiple Curricula and Majors

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Daniel Robert Alexander	Ames	*	Madison Ann Reed	Newton
<i>Economics and Mathematics</i>			<i>Psychology and Child, Adult, and Family Services</i>	
** Anna Christine Bogner	Chillicothe, Ill.		Trent Jacob Rinderknecht	Van Horne
<i>Psychology and International Studies</i>			<i>Economics and Business: Major in Finance</i>	
Johnathan Ross Harris	Altoona		*	Desirae Dawn Runyon-Weaver
<i>Journalism and Mass Communication and Speech Communication</i>			<i>Psychology and Child, Adult, and Family Services</i>	Chariton
** Abbey Lisa Nekola	Plymouth, Minn.		**† Lu Shen	Shanghai, China
<i>Journalism and Mass Communication, International Studies, and Spanish</i>			<i>Statistics and Mathematics</i>	
Elizabeth Jeanne Noennig	Fillmore, Wis.		Jacob John Joseph Zepeda	Des Moines
<i>Anthropology and Environmental Studies</i>			<i>Sociology and Interdisciplinary Studies (Criminology and Criminal Justice)</i>	

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

# PAST 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.

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

**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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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