Dear Iowa State University Graduates and Guests:

Welcome to Iowa State University’s Fall 2010 Commencement!

We congratulate all of the graduates and thank everyone who played a role in their successful journey through Iowa State. We have very much enjoyed your being a part of our university and community, and we wish you well as you embark on this next part of your life. We look forward to continuing our association with you as alumni of Iowa State, and we hope you will come back to visit the university often.

Iowa State University is now in its 153rd year as one of the nation’s leading 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, and that you will continue to be connected with Iowa State University.

Sincerely,

Gregory L. Geoffroy
President of the University
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The Official University Mace

The Iowa State University mace symbolizes the authority of the university president. The 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

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.
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

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

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

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

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

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

§   Research Excellence Award
††    Teaching Excellence Award

SPECIAL RECOGNITION, UNDERGRADUATE DEGREES

Candidates for undergraduate degrees may be recognized for graduating “With Distinction” or for 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 and 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 a grade point average of at least 3.35 and have designed and completed an individualized program of study, including an independent Honors Research Project.

Students graduating with special recognition will wear cords and be noted in this program as follows:

* * * Summa Cum Laude, with highest distinction (cardinal and gold cords)
* *   Magna Cum Laude, with great distinction (gold cords)
*     Cum Laude, with distinction (cardinal cords)
†     Honors Program (white cords)
**Academic Titles**

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**

*Information provided by the Iowa State University Alumni Association*

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, and 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.

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 initial 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.

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.

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 18, 2010, James H. Hilton Coliseum

President Gregory L. Geoffroy, B.S., Ph.D., Presiding

Processional

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

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

Commencement Address

Look Reality in the Eye and Deny It ......................................... Richard N. Jurgens
Chairman and Chief Executive Officer
Hy-Vee, Inc.

Interlude

You’ll Never Walk Alone .................................................................... Rodgers and Hammerstein
arr. Michael Golemo
Simon Estes, Vocalist

Interlude

Cyclone Fantasia ........................................................................ Michael Golemo

Student Recognitions

Graduate students receiving Research and Teaching Excellence Awards
Undergraduate students with Special Recognition

Conferring of the Doctor of Philosophy Degree

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

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

Candidates for the Bachelor’s Degree presented by Elizabeth Hoffman, Provost
College of Agriculture and Life Sciences candidates recognized by Dean Wendy Wintersteen
College of Business candidates recognized by Dean Labh S. Hira
College of Design candidates recognized by Dean Luis Rico-Gutierrez
College of Engineering candidates recognized by Dean Jonathan A. Wickert
College of Human Sciences candidates recognized by Dean Pamela J. White
College of Liberal Arts and Sciences candidates recognized by Dean Michael B. Whiteford

The Class of 2010 and the Alumni Association

Jeffery W. Johnson
President
Iowa State University Alumni Association

Remarks

President Geoffroy

The Bells of Iowa State ...................................................................... James C. Wilson
arr. Michael Golemo
Simon Estes, Vocalist

Recessional

La Mournique ................................................................................ Tylman Susato

The color guard for commencement exercises is composed of representatives
from the Naval Reserve Officer Training Corps Vice Joint Color Guard.
Platform Officials

Gregory L. Geoffroy, President of the University
Richard N. Jurgens, Chairman and Chief Executive Officer of Hy-Vee, Inc., and Commencement Speaker
Elizabeth Hoffman, Executive Vice President and Provost
David K. Holger, Associate Provost for Academic Programs and Dean of the Graduate College
Thomas L. Hill, Vice President for Student Affairs
Dione D. Somerville, Dean of Students
Simon Estes, Distinguished Artist in Residence
Jeffery W. Johnson, President of the Alumni Association
Kathleen M. Jones, Associate Vice President for Student Affairs and Registrar of the University
Labh S. Hira, Dean of the College of Business
Michael B. Whiteford, Dean of the College of Liberal Arts and Sciences
Wendy Wintersteen, 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
Jonathan A. Wickert, Dean of the College of Engineering
John U. Thomson, Dean of the College of Veterinary Medicine
Olivia M. Madison, Dean of the Library
Micheal D. Owen, President of the Faculty Senate

Faculty Representatives and Presenting Professors

David G. Acker, Global Agriculture Programs ‡
Ashraf Bastawros, Aerospace Engineering
Clifford Bergman, Mathematics
Terry L. Besser, Sociology
Madan K. Bhattacharyya, Agronomy
Thomas K. Bobik, Biochemistry, Biophysics, and Molecular Biology
Robert H. Bosselman, Apparel, Educational Studies and Hospitality Management
Gray F. Calhoun, Economics
Carl K. Chang, Computer Science
Michael P. Clough, Curriculum and Instruction
Joel R. Coats, Entomology
Mary Lynn Damhorst, Apparel, Educational Studies and Hospitality Management
Thomas E. Daniels, Electrical and Computer Engineering
Jack C. M. Dekkers, Animal Science
Julie A. Dickerson, Electrical and Computer Engineering
James S. Dickson, Animal Science
Dan Douglas, English
Ning Fang, Chemistry
Douglas D. Gemmill, Industrial and Manufacturing Systems Engineering
Manimaran Govindarasu, Electrical and Computer Engineering
Karl A. Gschneidner, Materials Science and Engineering ‡
David B. Hollander, History
Kere Hughes-Belding, Human Development and Family Studies
Thomas M. Isenhart, Natural Resource Ecology and Management
Sadahila Jasper Crase, Human Development and Family Studies
David C. Jiles, Electrical and Computer Engineering
Douglas E. Jones, Veterinary Pathology
Adam Kaminski, Physics and Astronomy
Anumantha G. Kanthasamy, Biomedical Sciences ‡‡
Frank Krennrich, Physics and Astronomy

‡Distinguished Professor  ‡‡University Professor
†Endowed Chair  ‡‡Endowed Professorship

Ratnesh Kumar, Electrical and Computer Engineering
Frankie Santos Laanan, Educational Leadership and Policy Studies
John G. Lajoie, Physics and Astronomy
Susan J. Lamont, Animal Science ‡
Dennis V. Lavrov, Ecology, Evolution and Organismal Biology
Richard A. Lesar, Materials Science and Engineering
Howard A. Levine, Mathematics ‡
Ping Lu, Aerospace Engineering
Robyn R. Lutz, Computer Science
Gayle J. Luze, Human Development and Family Studies
Joanne M. Marshall, Educational Leadership and Policy Studies
Robert A. Martin, Agricultural Education and Studies
Scott C. McLeod, Educational Leadership and Policy Studies
Chris Minion, Veterinary Microbiology and Preventive Medicine
Kouider Mokhtari, Curriculum and Instruction
Kenneth J. Moore, Agronomy
Megan J. Murphy, Human Development and Family Studies
Ralph E. Napolitano, Materials Science and Engineering
Balaji Narasimhan, Chemical and Biological Engineering
Ron M. Nelson, Mechanical Engineering
Daniel S. Nettleton, Statistics ‡
Linda S. Niehm, Apparel, Educational Studies and Hospitality Management
Marit Nilsen-Hamilton, Biochemistry, Biophysics, and Molecular Biology
Joanne K. Olson, Curriculum and Instruction
Lori D. Patton, Educational Leadership and Policy Studies
Vitalij K. Pecharsky, Materials Science and Engineering ‡
William K. Poston, Jr., Educational Leadership and Policy Studies
Aditya Ramamoorthy, Electrical and Computer Engineering
Peter J. Reilly, Chemical and Biological Engineering ‡
Alan M. Russell, Materials Science and Engineering
Sarah M. Ryan, Industrial and Manufacturing Systems
Faculty Marshals
Larry H. Ebbers, University Professor of Educational Leadership and Policy Studies, College of Human Sciences (Chief Marshal)
Daniel C. Robinson, University Professor of Educational Leadership and Policy Studies, College of Human Sciences (Chief Marshal)
D. Lee Alekel, Professor of Food Science and Human Nutrition, College of Human Sciences
John Cunnally, Associate Professor of Art and Design, College of Design
Frederick H. Dark, Associate Professor of Finance, College of Business
Veronica J. Dark, Professor of Psychology, College of Liberal Arts and Sciences
Richard E. Horton, Emeritus Professor of Electrical and Computer Engineering, College of Engineering
Kenneth C. Kruempel, Emeritus Associate Professor of Electrical and Computer Engineering, College of Engineering
Michael Martin, Associate Professor of Landscape Architecture, College of Design
Jon J. Tollefson, Professor of Entomology, College of Agriculture and Life Sciences
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

Announcer and Reader of Names
Hollis Monroe
Marc Harding

Student Marshals
Presentation of College Banner
Molly E. Parrott, Graduate College
    Escorted by Barbara L. Licklider, University Professor of Educational Leadership and Policy Studies
Rita M. Cook, College of Agriculture and Life Sciences
    Escorted by Ronald E. Deiter, Professor of Economics
Ye Shan Lin, College of Business
    Escorted by Diane J. Janvrin, Associate Professor of Accounting
Michaela L. Trank, College of Design
    Escorted by Robert Whitehead, Lecturer in Architecture
Luke B. Borkowski, College of Engineering
    Escorted by Gregory M. Maxwell, Associate Professor of Mechanical Engineering
Hillary J. Rodgers, College of Human Sciences
    Escorted by Cheryl Lindholm, Adviser in Curriculum and Instruction
Susan E. Wagner, College of Liberal Arts and Sciences
    Escorted by Patricia Thiel, Distinguished Professor of Chemistry

Musicians
Conductor
Michael Golemo, Director of Bands
Vocalist
Simon Estes, Distinguished Artist in Residence
French Horn
Peter Brandt
Kristyna Carter
Chloe Dedic
Christina Goeddel
Michael Lee
Trumpet
Deborah Bierschenk
Matthew Gaunitz
Austin Hancock
Nathan Miner
Kevin Muehlenthaler *
Justin Smiley-Oyen
Hanna Sundberg
Trombone
Reid Clagett
Brian Stout
Nolan Vallier
Justin Wang
Euphonium
Teresa Goeddel
Chad Nelson

* Graduating Student

Percussion
Mathew Hoskins
Bridget Leahy
Tuba
Daniel Jensen
Chris Kallenbach
Ric Jurgens was born and raised in Des Moines, Iowa. He is a graduate of Des Moines North High School and Iowa State University where he received a Bachelor of Science degree. He has spent his entire business career with Hy-Vee, Inc., serving as a store manager, district manager, regional manager, senior vice president, executive vice president and chief administrative officer, president, and his current position as chairman and chief executive officer. He also served as president of the Hy-Vee subsidiary, Perishable Distributors of Iowa, Ltd.

Mr. Jurgens serves on the board of Hy-Vee, Inc., and on the boards of its subsidiaries: Perishable Distributors of Iowa, Lomar and Florist Distributing.

He serves as chairman of the Food Marketing Institute and is a member of the Board of Directors for Topco Associates, LLC, as well as its past chairman.

He is a former board member of the Food Bank of Iowa, Variety Club of Iowa, Iowa Prison Industries, Ankeny Industrial Development Corporation, Food Distributors International, Iowa Games, Civic Center of Greater Des Moines, YMCA of Greater Des Moines and Greater Des Moines Committee.

His hobbies include golf, skiing, bicycling, swimming, boating, reading and playing guitar. He and his wife, Carol, have two children: son, Mic, and daughter, Katie, who are both married, and they have three grandsons: Ben, Sam and Luca.
Simon Estes, internationally-acclaimed bass baritone, is the star of the stage at the world's major opera houses, a regular guest at international festivals, and has appeared with leading international orchestras under eminent conductors.

His performance of Simon Boccanegra under the direction of Placido Domingo for the Washington Opera Company at the Kennedy Center was his 100th role. Performances include the Concert for Racial Harmony in Washington, D.C., the Metropolitan Opera House in New York City, and the Los Angeles Opera. He was chosen to perform the "I Have a Dream" composition commissioned by the King family for the Martin Luther King Jr. celebrations in 2000.

Rising from humble beginnings in the small town of Centerville, Iowa, he is the grandson of a slave sold at auction for $500 and the son of a father who faithfully provided for his family with menial jobs from coal-mining to serving as a hotel porter.

With family values founded upon a godly heritage, character-building struggle and sacrifice, Simon Estes successfully faced each new hurdle and career challenge, culminating in triumph for this extraordinarily gifted performing artist.

When asked if he thought we were victims of fate or makers of our own destiny, he answered quickly "Makers of our own destiny."

Choosing to rise above mere celebrity status, Estes strives to be a positive role model for the next generation. His compassionate humanitarian efforts elevate him to hero status for the numerous youth who benefit from his vision for merit-based education and opportunity. He has been granted numerous honorary degrees including the Doctor of Humane Letters from Iowa State University in 1997.

Simon Estes makes it possible for young people around the world to pursue their dreams. He has helped talented students attend the Juilliard School of Music in New York City where he has been a professor since 1985.

In Oklahoma, he has established the Simon Estes Educational Foundation which has awarded over one million dollars in merit-based college scholarships.

The Simon Estes International Foundation for Children in Switzerland was established in 1993 and has saved lives by providing support for child health needs in Switzerland and Bulgaria.

During the 1998-99 school year, 40 musically gifted students from the Simon Estes School, serving some of the poorest children in South Africa, attended Des Moines-area high schools under the sponsorship of Rotary District 6000 and performed throughout Iowa as the Simon Estes South African Youth Chorus.
CANDIDATES FOR DEGREES FROM THE GRADUATE COLLEGE

DOCTOR OF PHILOSOPHY

Zakhia G. Abichar, Halat, Lebanon
B.S., Iowa State University
Department: Electrical and Computer Engineering
Major: Computer Engineering
Dissertation: Medium access control and network planning in wireless networks

Joni K. Anderson, Lakeside
B.S., Purdue University; M.B.A., St. Thomas University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Leadership)
Dissertation: An examination of college selection factors used by business students who chose to attend a small Midwestern private college

Smaranda Rodica Andrews, Ames
Dip.Lic., University of Ovidius Constanta
Department: History
Major: Agricultural History and Rural Studies
Dissertation: Greek cities on the western coast of the Black Sea: Orgame, Histria, Tomis, and Kallatis (7th to 1st century BCE)

Hua Bai, Song Yuan, China
B.E., Zhejiang University
Department: Electrical and Computer Engineering
Major: Electrical Engineering
Dissertation: Novel measurement based load modeling and demand side control methods for fault induced delayed voltage recovery mitigation

Morgan Caitlin Baldwin, Dumfries, Va.
B.S., Virginia Tech; B.S., Ibid.; M.S., Iowa State University; M.Engr. Ibid.
Department: Aerospace Engineering
Major: Aerospace Engineering
Dissertation: Autonomous optimal deorbit guidance

†† Diana Lynn Baltimore, Boone
B.S., Iowa State University; M.S., Ibid.
Department: Human Development and Family Studies
Major: Human Development and Family Studies
Dissertation: Adopted college students’ family adoption communication processes: A mixed methods study

†† Mansi Batra Patney, Delhi, India
B.Sc., University of Delhi; M.Sc., Ibid.
Department: Apparel, Educational Studies and Hospitality Management
Major: Apparel, Merchandising and Design
Dissertation: Indian consumers and their mall patronage: Application of cultural-self and the theory of planned behavior to patronage intentions

Andrew Todd Becker, New Hampton
B.S., Iowa State University
Department: Materials Science and Engineering
Major: Materials Science and Engineering
Dissertation: The yield strength and flow stress anomaly in B2 ytrrium copper

Emily J. Berg, Milwaukee, Wis.
B.A., Middlebury College; M.S., Iowa State University
Department: Statistics
Major: Statistics
Dissertation: A small area procedure for estimating population counts

Nicholas Koenen Beyler, Madison, Wis.
B.A., Lawrence University; M.S., Iowa State University
Department: Statistics
Major: Statistics
Dissertation: Statistical methods for analyzing physical activity data

§ Research Excellence Award
†† Teaching Excellence Award
Margi Ann Boord
Mount Ayr
B.S., Bellevue University; M.Ed., Iowa State University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Leadership)
Dissertation: Analysis of adjunct faculty at Des Moines Area Community College: Use and application of Herzberg's motivation-hygiene theory to predict job satisfaction in teaching improvement and professional development

Sayantan Bose
Ames
B.Sc., University of Calcutta; M.Sc., Indian Institute of Technology - Bombay
Department: Chemistry
Major: Physical Chemistry
Dissertation: Use of steady-state and time-resolved fluorescence spectroscopy as a tool to investigate photophysics of biologically and environmentally relevant systems

Hargeet Kaur Brar
Ludhiana, India
B.Sc., Punjab Agricultural University; M.Sc., Ibid.
Department: Agronomy
Major: Genetics
Dissertation: Isolation and characterization of a Fusarium virguliforme toxin that induces foliar sudden death syndrome in soybean [Glycine max (L.) Merr.]

Douglas Robert Braucher
Evansville, Wis.
B.S., University of Wisconsin - La Crosse; M.S., Iowa State University
Department: Food Science and Human Nutrition
Major: Nutritional Sciences
Dissertation: The role of adiponectin on body composition, adipocyte differentiation, preadipocyte proliferation and its modulation of inflammation with high fat diets

Daniel Paul Bumblauskas
West Des Moines
B.S., Iowa State University; M.S., Ibid.
Department: Industrial and Manufacturing Systems Engineering
Major: Industrial Engineering
Dissertation: Smart Maintenance Decision Support Systems (SMDSS)

Matthew Thomas Buns
Clear Lake
B.S., Concordia University; M.S., Emporia State University
Department: Kinesiology
Major: Kinesiology (Behavioral Basis of Physical Activity)
Dissertation: Environmental support and physical education teacher self-efficacy: A test of social cognitive theory

Kimberly K. Buryanek
Hawarden
B.S., University of South Dakota; M.Ed., South Dakota State University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Leadership)
Dissertation: Impact of high-school reform initiatives using the Pygmalion effect

Gary Leonard Cameron
Des Moines
B.S., Iowa State University; M.A., Ibid.
Department: History
Major: History of Technology and Science
Dissertation: Public skies: Telescopes and the popularization of astronomy in the twentieth century

Claudia Patricia Ceballos Fonseca
Medellin, Colombia
V.M., Universidad de Antioquia – Titulo; M.S., Texas A&M University
Department: Ecology, Evolution and Organismal Biology
Major: Ecology and Evolutionary Biology
Dissertation: Phenotypic plasticity, sexual dimorphism and Rensch's rule in turtles

Su Chang
Wuhan, China
B.E., Huazhong University of Science and Technology; M.E., Ibid.
Department: Electrical and Computer Engineering
Major: Computer Engineering
Dissertation: Securing enterprise networks with statistical node behavior profiling

Baozhen Chen
Fengxian, China
B.S., University of Science and Technology of China; M.S., Iowa State University
Department: Electrical and Computer Engineering
Major: Electrical Engineering
Dissertation: Integrated bioassays for screening chemical and biological species
Chungyin Cheng  
Taipei, Taiwan
B.Sc., National Taiwan University  
Department: Chemical and Biological Engineering  
Major: Chemical Engineering  
Dissertation: A comprehensive model study for Flash Nanoprecipitation: Computational fluid dynamics, micro-particle image velocimetry, and population balance modeling

Shouqiang Cheng  
Ningguo, China
B.S., Anhui University;  
M.S., Nankai University  
Department: Biochemistry, Biophysics, and Molecular Biology  
Major: Biochemistry  
Dissertation: Recycling of vitamin B12 and NAD+ within the Pdu microcompartment of Salmonella enterica

Shuxing Cheng  
Tianjin, China
M.S., Iowa State University  
Department: Computer Science  
Major: Computer Science  
Dissertation: Competitive service market: Modeling, storage and management

Ceren Ciraci  
Ankara, Turkey
B.Sc., Ankara University;  
M.S., Bilkent University  
Department: Animal Science  
Major: Genetics  
Dissertation: Molecular genetic assessment of chicken macrophage innate immunity: Toll-like receptors, mechanisms of action, and kinetic transcriptome profile

Kristin A. Clothier  
San Francisco, Calif.
B.S., University of California – Davis;  
D.V.M., Ibid.  
Department: Veterinary Microbiology and Preventive Medicine  
Major: Veterinary Microbiology  
Dissertation: Evaluation of tulathromycin as an antimicrobial therapy in the caprine species

†† Samarjit Das  
Hajoi, India
B.Tech., Indian Institute of Technology Guwahati  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: Synthesis and structural, magnetic, thermal, and transport properties of several transition metal oxides and arsenides

Mary J. Entz  
Newton
B.A., University of Iowa;  
M.A., Ibid.  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: Beyond the factory floor: The experiences of displaced manufacturing workers as they retrain in community college settings

Anan Fang  
Yiwu, China
B.Sc., Nanjing University;  
M.Sc., Ibid.  
Department: Physics and Astronomy  
Major: Condensed Matter Physics  
Dissertation: Reducing the losses of optical metamaterials

Kimberly J. Fara  
Manning
M.S.E., Drake University  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: The relationship of college credit earned while in high school to first-semester college GPA and persistence to the second college year

Taiming Feng  
Yangzhong, China
B.S., Nanjing University;  
M.E., Ibid.  
Department: Computer Science  
Major: Computer Science  
Dissertation: Survivability schemes for optical backbone and access networks

Jennifer L. Foster  
Indianola
M.A.T., Drake University;  
M.A.T., William Penn University  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: Iowa career and technical education: A case study of secondary and postsecondary collaboration on programs of study and technical skill attainment assessment

Jon Hiram Friedl Jr.  
Vernon, Conn.
A.B., University of Michigan – Flint;  
B.S., Ibid.;  
M.S., Iowa State University  
Department: Aerospace Engineering  
Major: Engineering Mechanics  
Dissertation: Focusing aberration corrections for ultrasonic inspections of disk forgings when using a surface compensating mirror and segmented annular phased array

§ Research Excellence Award
†† Teaching Excellence Award
Stuart W. Gardner  
**Center Lovell, Maine**

B.S., University of Maine - Orono  
M.S., Iowa State University  
**Departments:** Statistics and Veterinary Microbiology and Preventive Medicine  
**Majors:** Statistics and Microbiology  
**Dissertation:** Investigation of intergenic regions of *Mycoplasma hyopneumoniae* and development of statistical methods for analyzing small-scale RT-qPCR assays

Maja Grgurovic  
**Belgrade, Serbia**

Dipl., University of Belgrade;  
M.A., Iowa State University  
**Department:** English  
**Major:** Applied Linguistics and Technology  
**Dissertation:** Technology-enhanced blended language learning in an ESL class: A description of a model and an application of the Diffusion of Innovations theory

Vinayak Gupta  
**Delhi, India**

B.Sc., University of Delhi;  
M.Sc., University of Delhi  
**Department:** Chemistry  
**Major:** Organic Chemistry  
**Dissertation:** New synthetic methods for biologically active aromatic heterocycles

Karri Michelle Haen  
**Iola, Kans.**

B.S., Kansas State University;  
M.S., North Dakota State University  
**Department:** Ecology, Evolution and Organismal Biology  
**Major:** Genetics  
**Dissertation:** Mitochondrial genome evolution in the Metazoa: Insights from Class Hexactinellida (Phylum Porifera) and Phylum Cnidaria

William Roy Henninger IV  
**Newton**

B.S., Iowa State University;  
M.S., Ibid.  
**Department:** Human Development and Family Studies  
**Major:** Human Development and Family Studies (Early Childhood Special Education)  
**Dissertation:** The effects of caregiver depression and caregiver stress on the relationship between poverty and social and emotional development in children

Matthew Thomas Hiveley  
**Ames**

B.S., Iowa State University;  
B.S., Ibid.;  
M.S., Western Illinois University  
**Department:** Human Development and Family Studies  
**Major:** Human Development and Family Studies  
**Dissertation:** Male college students' accounts of their resilience from risky behaviors during adolescence: A qualitative analysis

Wei Huang  
**Guangzhou, China**

B.Sc., Nanjing University  
**Department:** Chemistry  
**Major:** Chemistry  
**Dissertation:** Functionalized mesoporous silica anoparticles (MSNs) for applications in drug delivery and catalysis

Hojun Jaygarl  
**Seoul, South Korea**

B.S., Kookmin University  
**Department:** Computer Science  
**Major:** Computer Science  
**Dissertation:** Capture-based automated test input generation

Huajun Jin  
**Langfang, China**

B.Sc., Jilin University;  
M.Sc., Chinese Academy of Sciences  
**Department:** Biomedical Sciences  
**Major:** Molecular, Cellular, and Developmental Biology  
**Dissertation:** Transcriptional regulation of proapoptotic kinase PKC expression in dopaminergic neurons: Relevance to gene-gene and gene-environment interactions in neurodegeneration

---

§ Research Excellence Award

† † Teaching Excellence Award
†† Dapeng Jing  
*Changchun, China*

B.S., University of Science and Technology of China  
Department: Chemistry  
Major: Physical Chemistry  
Dissertation: Metal thin film growth on multimetallic surfaces: From quaternary metallic glass to binary crystal

†† Smita Kakar  
*Delhi, India*

B.Pharm., University of Delhi  
Department: Biochemistry, Biophysics, and Molecular Biology  
Major: Biophysics  
Dissertation: Structure and reactivity of hexacoordinate hemoglobins

Ilkay Kalay  
*Ankara, Turkey*

B.S., Middle East Technical University;  
Department: Materials Science and Engineering  
Major: Materials Science and Engineering  
Dissertation: Devitrification kinetics and phase selection mechanisms in Cu-Zr metallic glasses

Holly Janelle Kaptain  
*Johnston*

B.A., Saint Olaf College;  
M.S., Iowa State University  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: Primary students’ proficiency and achievement: The difference two-way immersion programs can make

Todd Ralph Kempel  
*Pearl City, Ill.*

B.S., Augustana College  
Department: Physics and Astronomy  
Major: Nuclear Physics  
Dissertation: Understanding the J/psi Production Mechanism at PHENIX

Ka-Ming Keung  
*Hong Kong*

B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Dissertation: A study of on-chip FPGA system with 2D mesh network

Vikram Swaroop Chandra Koundinya  
*Ames*

B.Sc.Ag., Acharya Ng Ranga Agricultural University;  
Department: Agricultural Education and Studies  
Major: Agricultural Education (Agricultural Extension Education)  
Dissertation: An analysis of the food safety educational processes in the Cooperative Extension System of the North Central Region of the United States

Jerrid W. Kruse  
*Le Mars*

B.A., Augustana College;  
M.A.T., Iowa State University  
Department: Curriculum and Instruction  
Major: Education  
Dissertation: Historical short stories in the post-secondary biology classroom: Investigation of instructor and student use and views

§ Naveen Kumar  
*New Delhi, India*

B.Tech., Indian Instute of Technology – Delhi;  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: A communications system perspective for dynamic mode atomic force microscopy, with applications to high-density storage and nanoimaging

Yassin Labyed  
*Fez, Morocco*

B.S., St. Cloud State University;  
M.S., University of North Dakota  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: Optimization and application of ultrasound attenuation estimation algorithms

Juan Li  
*Wuhan, China*

B.E., Wuhan University;  
M.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: Reconfiguration of power networks based on graph-theoretic algorithms

§  Research Excellence Award  
††  Teaching Excellence Award
Li Li  
Changchun, China  
B.S., Northeast Normal University;  
M.S., Chinese Academy of Sciences  
Department: Food Science and Human  
Nutrition  
Major: Genetics  
Dissertation: Assessing prebiotic effects of  
resistant starch on modulating gut  
microbiota with an *in vivo* animal model  
and an *in vitro* semi-continuous  
fermentation model  
†† Teaching Excellence Award

Yi Li  
Chongqing, China  
B.E., Heilongiang Commercial College;  
M.E., Beijing University of Aeronautics and  
Astronautics;  
M. Engr., Iowa State University  
Department: Aerospace Engineering  
Major: Aerospace Engineering  
Dissertation: Issues in discontinuous high-  
order methods: Broadband wave  
computation and viscous boundary layer  
resolution

Bin Lu  
Tianjin, China  
B.Sc., Jilin University;  
M.Sc., Nankai University  
Department: Biochemistry, Biophysics, and  
Molecular Biology  
Major: Biochemistry  
Dissertation: Investigation of the molecular  
mechanism of SNARE-mediated  
membrane fusion

Ning Lu  
Wuhan, China  
B.Sc., Wuhan University;  
M.S., Iowa State University  
Department: Physics and Astronomy  
Major: Condensed Matter Physics  
Dissertation: Theoretical studies of H-  
passivated silicon nanowires, silicon  
surface systems and Si/Ge core/shell  
nanowires

Oscar Jaime Murillo Jr.  
El Mirage, Ariz.  
B.S., Massachuttes Institute of Technology;  
M. Engr., Iowa State University  
Department: Aerospace Engineering  
Major: Aerospace Engineering  
Dissertation: A fast ascent trajectory  
opimization method for hypersonic air-  
breathing vehicles

Kathleen Johanna Nacos-Burds  
Dubuque  
B.S., College of St. Teresa;  
M.S., University of Minnesota - Minneapolis  
Department: Educational Leadership and  
Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: A comparative analysis of  
demographic and academic  
characteristics and NCLEX-RN passing  
among urban and rural campus students  
in a Midwest Associate Degree Nursing  
Program

Lindsey Elizabeth Spencer Nielsen  
Lincoln, Neb.  
B.S., University of Nebraska - Lincoln  
Department: Plant Pathology  
Major: Microbiology  
Dissertation: Novel components of  
*Pseudomonas putida* biofilm  
exopolymeric matrix and a  
transcriptome analysis of the effects of  
osmotic and matric stress

Jisun Oh  
Daegu, South Korea  
B.Agri., Kyungpook National University;  
M. Agri., Ibid.  
Departments: Genetics, Development and  
Cell Biology and Biomedical Sciences  
Majors: Neuroscience and Biomedical  
Sciences (Cell Biology)  
Dissertation: Astrocyte-derived soluble  
factors promoting neuronal  
differentiation of adult neural progenitor  
cells

Sunjin Oh  
Taegu, South Korea  
B.A., Yeungnam University;  
M.S., Michigan State University  
Department: Curriculum and Instruction  
Major: Education  
Dissertation: The sources that influence  
student teachers’ sense of efficacy

Ari Deibert Palczewski  
Ames  
B.A., St. John’s University  
Department: Physics and Astronomy  
Major: Condensed Matter Physics  
Dissertation: Angle-resolved photoemission  
spectroscopy (ARPES) studies of cuprate  
superconductors

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§ Research Excellence Award  
†† Teaching Excellence Award
Sunwook Park  
*Omaha, Neb.*

B.S., Yonsei University;  
B.S., *Ibid.*;  
Department: Geological and Atmospheric Sciences  
Major: Meteorology  
Dissertation: Understanding and improving cloud and radiation processes using year-long cloud-resolving model simulations

§ Molly Elizabeth Parrott  
*Council Bluffs*

B.A., Central College  
M.S., University of Northern Colorado  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: How did they get here, and why do they stay? A phenomenological study of female athletics directors at selected NCAA Division III member institutions

Kevin E. Patterson  
*Ankeny*

B.S., Missouri University of Science and Technology;  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: An analysis of demographic data and educational experiences that predict student success on the funeral service National Board Examination

Pushkaraj Ramchandra Patwardhan  
*Mangalwedha, India*

B.Tech., University of Mumbai  
Department: Chemical and Biological Engineering  
Major: Chemical Engineering  
Dissertation: Understanding the product distribution from biomass fast pyrolysis

§††Daniel Patrick Pfister  
*Falls City, Neb.*

B.S., Missouri Western State College  
Department: Chemistry  
Major: Organic Chemistry  
Dissertation: Green composites and coatings from agricultural feedstocks

Jeremy L. Pickard  
*Kalona*

B.A., Northwestern College;  
M.Educ., Iowa State University  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: A case study of Troika short-term study abroad program model in community colleges

Adam Lee Pintar  
*Arcadia, Kans.*

B.S., Pittsburgh State University;  
M.S., *Ibid.*;  
M.S., Iowa State University  
Department: Statistics  
Major: Statistics  
Dissertation: Model selection for good estimation or prediction over a user-specified covariate distribution

Brandon Lee Plattner  
*Nevada*

B.S., Kansas State University;  
Department: Veterinary Pathology  
Major: Veterinary Pathology  
Dissertation: Modeling the initial host immunopathologic response to Mycobacterium avium subspecies paratuberculosis infection in young cattle

Misha Rajaram  
*Chennai, India*

B.Sc., University of Madras;  
M.Sc., *Ibid.*;  
M.S., Iowa State University  
Department: Statistics  
Major: Bioinformatics and Computational Biology  
Dissertation: Detecting recombination and its mechanistic association with genomic features via statistical models

§††Sarah Beth Redmond  
*Hendersonville, N.C.*

B.S., Berry College  
Department: Animal Science  
Major: Genetics  
Dissertation: Genetic and dietary effects on chicken heterophil function and immune response to *Salmonella enteritidis*

Pamela Rhea Rockwood  
*Janesville*

M.A., University of Iowa  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: Board and superintendent perceptions of the Illinois professional standards for school leaders critical for superintendent success

Mahesh Kumar Sahu  
*Nahara Rigaul, Nepal*

B.S., Tribhuvan University;  
M.Eng., Asian Institute of Technology  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering  
Dissertation: Basin scale water quality conservation: Impacts of filter strips, bio-fuel development and hydrological parameters

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§  *Research Excellence Award*  
† †  *Teaching Excellence Award*
Ganesh Ram Santhanam  
*Ames*
B.Tech., University of Madras  
Department:  Computer Science  
Major:  Computer Science  
Dissertation:  Representing and reasoning with qualitative preferences for compositional systems

Sanchita Sengupta  
*Kolkata, India*
B.Sc., University of Calcutta;  
M.A., Jawaharlal Nehru Technological University;  
M.A., University of Arizona - Tuscon  
Department:  Economics  
Major:  Economics  
Dissertation:  Three essays in environmental and agricultural issues

Yeon-Jung Seo  
*Seoul, South Korea*
B.S., Sejong University  
Department:  Mathematics  
Major:  Mathematics  
Dissertation:  A mathematical analysis of multiple-target SELEX

Fatma Özgü Sertta  
*Ankara, Turkey*
B.A., Bilkent University;  
Department:  Economics  
Major:  Economics  
Dissertation:  Essays on infinite-variance stable errors and robust estimation procedures

Ying Shi  
*Dandong, China*
B.E., Northeastern University;  
M.S., Iowa State University  
Department:  Statistics  
Major:  Statistics  
Dissertation:  Contributions to accelerated destructive degradation test planning

Brandi Adell Sigmon  
*Hickory, N.C.*
B.S., Mars Hill College  
Department:  Genetics, Development and Cell Biology  
Major:  Genetics  
Dissertation:  ramosa1 in the development and evolution of inflorescence architecture in grasses

Sungmi Song  
*Ames*
B.S., Kyung Hee University;  
M.S., Iowa State University  
Department:  Apparel, Educational Studies and Hospitality Management  
Major:  Hospitality Management  
Dissertation:  E-learning: Investigating students' acceptance of online learning in hospitality programs

Xiaoling Song  
*Anyang, China*
B.S., Henan Normal University;  
M.S., Chinese Academy of Science  
Department:  Biochemistry, Biophysics, and Molecular Biology  
Major:  Genetics  
Dissertation:  Plasminogen activator inhibitor 1: Mechanisms of its synergistic regulation by growth factors

Amanda G. Stein  
*Leavenworth, Kans.*
B.A., Creighton University;  
M.S., Iowa State University  
Department:  Human Development and Family Studies  
Major:  Human Development and Family Studies  
Dissertation:  Family child care provider beliefs and program quality: A longitudinal study investigating the role of consultation

†† Thomas Alan Stroman  
*Plymouth, Minn.*
B.S., Iowa State University  
Department:  Physics and Astronomy  
Major:  Astrophysics  
Dissertation:  Particle-in-cell simulation of astrophysical plasmas: Probing the origin of cosmic rays

†† Hongyu Sun  
*Shenyang, China*
B.S., Jilin University;  
Department:  Computer Science  
Major:  Computer Science  
Dissertation:  Quantifiable non-functional requirements modeling and static verification for web service compositions

Wei Sun  
*Hefei, China*
B.Sc., University of Science and Technology of China  
Department:  Chemistry  
Major:  Analytical Chemistry  
Dissertation:  Developing new optical imaging techniques for single particle and molecule tracking in live cells

Xiaoyong Sun  
*Taian, China*
B.Agron., Shandong Agricultural University;  
M.Agron., China Agricultural University;  
M.S.A., Miami University  
Department:  Statistics  
Major:  Bioinformatics and Computational Biology  
Dissertation:  Diagnostics for nonlinear models with application to population pharmacokinetic modeling

§  Research Excellence Award  
††  Teaching Excellence Award
Matthew Dennis Thompson  Creston
B.S., Iowa State University;  M.A., East Tennessee State University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Leadership)
Dissertation: Presidential transition: The experience of two community college interim presidents

Jody Kristine Tomanek  Valley, Neb.
B.S., Bellevue University;  M.Ed., University of Nebraska - Lincoln
Department: Educational Leadership and Policy Studies
Major: Education (Educational Leadership)
Dissertation: Job satisfaction of community college adjunct faculty at Midwestern Community College

Fan Tong  Dandong, China
B.S., Nankai University;  M.S., Ibid.
Department: Entomology
Major: Toxicology
Dissertation: Investigation of mechanisms of action of monoterpenoid insecticides on insect gamma-aminobutyric acid receptors and nicotinic acetylcholine receptors

Mustafa Tufekcioglu  Trabzon, Turkey
Lisans., Kaunas University of Technology;  M.S., Iowa State University
Department: Natural Resource Ecology and Management
Major: Forestry (Forest Biology – Wood Science)
Dissertation: Stream bank soil and phosphorus losses within grazed pasture stream reaches in the Rathbun Watershed in southern Iowa

Bret Daniel Ulery  Warrenville, Ill.
B.S.E., University of Iowa;  B.S., Ibid.
Department: Chemical and Biological Engineering
Major: Chemical Engineering
Dissertation: Molecular design of nanoparticle-based delivery vehicles for pneumonic plague

§ John Louis Van Hemert  Mason City
B.A., University of Northern Iowa
Department: Electrical and Computer Engineering
Major: Bioinformatics and Computational Biology
Dissertation: Methods for integrated biochemical pathway analysis

Thomas C. Waite  Grimes
B.S., Iowa State University;  M.S., Ibid.
Department: Mechanical Engineering
Major: Mechanical Engineering
Dissertation: Frequency domain active noise control with ultrasonic tracking

§ Hui Wang  Qingdao, China
B.Eng., Hefei University of Technology;  M.Eng., Ibid.
Department: Aerospace Engineering
Major: Engineering Mechanics
Dissertation: Experimental study of inhomogeneous deformation in bulk metallic glass and their composite during wedge-like cylindrical indentation

Min Wang  Taizhou, China
B.Econ., Zhejiang University;  M.S., Ibid.
Department: Economics
Major: Economics
Dissertation: Essays on environment, natural resource, growth and development

Wei Wang  Chongqing, China
B.E., Chongqing University;  M.E., Ibid.;  M.S., North Carolina State University
Department: Electrical and Computer Engineering
Major: Computer Engineering
Dissertation: A graph oriented approach for network forensic analysis

§ Yan Wang  Shangrao, China
B.S., Tsinghua University;  M.S., Iowa State University
Department: Industrial and Manufacturing Systems Engineering
Major: Industrial Engineering
Dissertation: Scenario reduction heuristics for a rolling stochastic programming simulation of bulk energy flows with uncertain fuel costs

Naroon Waramit  Bangsue, Thailand
B.Sc., Kasetsart University;  M.Sc., Ibid.
Department: Agronomy
Major: Crop Production and Physiology
Dissertation: Native warm-season grasses: Species, nitrogen fertilization, and harvest date effects on biomass yield and composition

§ Research Excellence Award  †† Teaching Excellence Award
Feng Wei  
Zhenjiang, China  
B.S., University of Science and Technology of China;  
M.S., Ibid.  
Department: Physics and Astronomy  
Major: Nuclear Physics  
Dissertation: Measurement of single transverse spin asymmetry via single hadrons and di-hadron correlations in the 200GeV p + p collision in the PHENIX experiment at RHIC.

Xuesong Wen  
Jing Dezhen, China  
B.S., Tianjin University of Science and Technology;  
M.S., Nankai University  
Department: Animal Science  
Major: Microbiology  
Dissertation: Risk factors influencing the growth and survival of Campylobacter jejuni and Salmonella enterica on moisture enhanced pork.

Crystal Y. Whittington  
Searcy, Ark.  
B.S., Harding University;  
M.S., Ibid.  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Family and Consumer Sciences Education  
Dissertation: Parental perceptions of touch between parents and infants in the neonatal intensive unit.

Mark Mba Wright  
Aurelia  
B.S., Iowa State University;  
M.S., Ibid.  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Dissertation: Techno-economic, location, and carbon emission analysis of thermochemical biomass to transportation fuels.

Tsui-Feng Wu  
Pin-Tung, Taiwan  
B.Ed., National Changhua University of Education;  
M.Ed., National Taiwan Normal University  
Department: Psychology  
Major: Psychology  
Dissertation: Dating relationship quality in the U.S. and Taiwan: Does similarity or parental approval matter?

Songyan Xu  
Harbin, China  
B.Eng., Harbin Institute of Technology;  
M.Eng., Ibid.  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: Energy-efficient task assignment of wireless sensor network with the application to agriculture.

Ming Yang  
Nanjing, China  
B.S., Nanjing University;  
M.S., Ibid.;  
M.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  

Sheng Yang  
Nanjing, China  
B.E., Shanghai Jiaotong University;  
M.S., Ibid.  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  

Nanpeng Yu  
Beijing, China  
B.S., Tsinghua University;  
M.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: Evaluation of wholesale electric power market rules and financial risk management by agent-based simulations.

Zhiwei Zhai  
Tianjin, China  
B.S., University of Science and Technology Department: Genetics, Development and Cell Biology  
Major: Molecular, Cellular, and Developmental Biology  
Dissertation: The regulation of hypoxia-inducible factor (HIF-1) and the role of HIF-1 in C. elegans longevity.

---

Research Excellence Award  
Teaching Excellence Award
Jin Zhang  
Ningbo, China  
B.Sc., Nankai University  
Department: Ecology, Evolution and Organismal Biology  
Major: Environmental Science  
Dissertation: Temperature sensitivity of soil organic matter decomposition and the influence of soil carbon pools and attributes

Lifeng Zhang  
Wuhan, China  
B.Eng., Huazhong University of Science and Technology;  
M.Sc., Ibid.  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Dissertation: Text mining for systems biology and MetNet

§ Caizhi Zhou  
Luzhou, China  
B.Eng., Tianjin University;  
M.Eng., Ibid.  
Department: Materials Science and Engineering  
Major: Materials Science and Engineering  
Dissertation: Dislocation dynamics simulations of plasticity at small scales
# Master of Accounting

<table>
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<th>City</th>
<th>Degree</th>
<th>Department</th>
<th>Major</th>
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<tr>
<td>Kendra Ann Green</td>
<td>Bettendorf</td>
<td>B.S., Iowa State University</td>
<td>Accounting</td>
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<tr>
<td>Brett Andrew Hoffman</td>
<td>Baraboo, Wis.</td>
<td>B.S., University of Wisconsin-Stout</td>
<td>Accounting</td>
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<td>Brandon James Honnold</td>
<td>Clarinda</td>
<td>B.S., Iowa State University</td>
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<td>Yang Liu</td>
<td>Chengdu, China</td>
<td>B.Law, Fudan University;</td>
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</tr>
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<td>Yongzhong Meng</td>
<td>Yancheng, China</td>
<td>B.S., Wuhan University;</td>
<td>Accounting</td>
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<tr>
<td>Shengwang Pan</td>
<td>Liuzhou, China</td>
<td>B.S., Iowa State University</td>
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<td>Ryan Andrew Reed</td>
<td>Goldfield</td>
<td>B.S., Iowa State University</td>
<td>Accounting</td>
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<tr>
<td>Lucas Marshall Schaudt</td>
<td>Slater</td>
<td>B.S., Iowa State University</td>
<td>Accounting</td>
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<td>Austin Michael Tolander</td>
<td>Ankeny</td>
<td>B.S., Iowa State University</td>
<td>Accounting</td>
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</tr>
<tr>
<td>Emily Gene Trecker</td>
<td>Carroll</td>
<td>B.S., Iowa State University</td>
<td>Accounting</td>
<td>Accounting</td>
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<tr>
<td>Ruixue Wu</td>
<td>Ames</td>
<td>B.S., Iowa State University</td>
<td>Accounting</td>
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<tr>
<td>Jun Xie</td>
<td>Ames</td>
<td>B. Law, Anhui University;</td>
<td>Accounting</td>
<td>Accounting</td>
</tr>
<tr>
<td>Justin Allan Youngberg</td>
<td>Cedar Rapids</td>
<td>B.S., Iowa State University</td>
<td>Accounting</td>
<td>Accounting</td>
</tr>
<tr>
<td>Shu Zeng</td>
<td>Wuhan, China</td>
<td>B.Econ., Wuhan University</td>
<td>Accounting</td>
<td>Accounting</td>
</tr>
<tr>
<td>Liqun Zhou</td>
<td>Ames</td>
<td>B.A., Iowa State University</td>
<td>Accounting</td>
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</tr>
</tbody>
</table>

# Master of Architecture

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
<th>Degree</th>
<th>Department</th>
<th>Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maria Silvina Lopez Barrera</td>
<td>La Paloma, Uruguay</td>
<td>Arch., University de la Republica</td>
<td>Architecture</td>
<td>Architecture</td>
</tr>
<tr>
<td>Damion Joseph Spilman</td>
<td>Ames</td>
<td>B.L.S., Iowa State University</td>
<td>Architecture</td>
<td>Architecture</td>
</tr>
</tbody>
</table>

*Research Excellence Award
††Teaching Excellence Award*
MASTER OF ARTS

Kalpana Bhattacharjee
Kolkata, India
B.A., University of Calcutta;
M.A., Ibid.
Department: Political Science
Major: Political Science
Thesis: Policies and politics in urban forestry: Involving citizens in municipal urban forestry initiatives

Holly Theresa Bignall
Ames
B.S., University of Northern Iowa
Department: Interdisciplinary Graduate Studies
Major: Interdisciplinary Graduate Studies (Arts and Humanities)
Thesis: Hope deferred: Mormon feminism and prospects for change in the LDS church

Michael Alan Craft
La Porte City
B.S., Iowa State University
Department: History
Major: History

Mark John Dougherty
Lenox
B.A., Buena Vista University;
M.S.W., University of Iowa
Department: Interdisciplinary Graduate Studies
Major: Interdisciplinary Graduate Studies

Clifford J. Gentry
Ollie
B.A., University of Iowa
Department: Art and Design
Major: Art and Design (Interior Design)
Thesis: Drawn cognitive maps of environmental perceptions and expectations in the Des Moines International Airport

Daniel E. Kelly
West Des Moines
B.A., Iowa State University;
J.D., University of Iowa
Department: Political Science
Major: Political Science
Thesis: Predicting public approval of Supreme Court nominees: Examining factors influencing mass public opinion of stealth nominees in the post-Bork era

Scott Michael Nystrom
Boone
B.A., Iowa State University;
B.S., Ibid.
Department: History
Major: History
Thesis: Free trade and the New Deal: The United States and the international economy of the 1930s

Elizabeth Dorothea Zimmerman
Ames
B.A., Iowa State University
Department: Interdisciplinary Graduate Studies
Major: Interdisciplinary Graduate Studies

MASTER OF BUSINESS ADMINISTRATION

Andrew Brian Barker
Ames
B.S., Iowa State University
Department: Business Administration
Major: Business Administration

David Harlan Beerends
Pella
B.S., William Penn University
Department: Business Administration
Major: Business Administration

Daren Michael Breid
Rochester, Minn.
B.S., Iowa State University
Department: Business Administration
Major: Business Administration

Michael Coe Brower
Omaha, Neb.
B.S., Iowa State University
Department: Business Administration
Major: Business Administration

Christine Marie Bruner
West Des Moines
B.B.A., University of Iowa
Department: Business Administration
Major: Business Administration

Teresa Marie Criswell
Des Moines
B.S., Iowa State University
Department: Business Administration
Major: Business Administration

Adrienne Laura Drescher
Wheatland
B.S., Iowa State University;
B.S., Ibid.
Department: Business Administration
Major: Business Administration

Michael Adam Fritz
Davenport
B.S., Iowa State University
Department: Business Administration
Major: Business Administration

§ Research Excellence Award
† † Teaching Excellence Award
Loni James Haar           Miller, S. Dak.
B.S., South Dakota State University
Department: Business Administration
Major:  Business Administration

Srivani Harish           Bangalore, India
B.E., Visveswaraiah Technological University
Department:  Business Administration
Major:  Business Administration (Information Systems) and (Supply Chain Management)

Theodore Dennis Hoagland  Ames
B.A., University of Puget Sound
Department:  Business Administration
Major:  Business Administration (International Business)

Jeremy Andrew Hofman     West Des Moines
B.S., Iowa State University
Department:  Business Administration
Major:  Business Administration (Finance)

Jose Antonio Lora         Lima, Peru
Lic., Pontificia Universidad Católica del Perú
Department:  Business Administration
Major:  Business Administration (Information Systems)

Laura Ann Luinstra        West Des Moines
B.S., Iowa State University
Department:  Business Administration
Major:  Business Administration

Nicholas E. McCann        Kenosha, Wis.
B.A., Miami University;  B.S.,  Ibid.
Department:  Business Administration
Major:  Business Administration

Bethany Christine McKibbin Urbandale
B.B.A., Drake University;  B.S.,  Ibid.
Department:  Business Administration
Major:  Business Administration

Timothy Burkgren Morgan   Ames
B.S., Iowa State University
Department:  Business Administration
Major:  Business Administration

Rebecca Solomon Musselman Ames
B.B.A., Iowa State University;  B.S.,  Ibid.
Department:  Business Administration
Major:  Business Administration (Finance)

Lakshmipathy Ramasubbu    Madurai, India
B.E., Anna University
Department:  Business Administration
Major:  Business Administration (Information Systems)

Kurt Edward Roots         Lake Mills, Wis.
B.B.A., University of Wisconsin - Eau Claire;  M.S., University of St. Thomas
Department:  Business Administration
Major:  Business Administration

Menaka Gayathri Samarasingha Colomo, Sri Lanka
B.S., Utah State University
Department:  Business Administration
Major:  Business Administration

Melissa Smock             Muscatine
B.A., University of Northern Iowa
Department:  Business Administration
Major:  Business Administration

Denise L. Swanson         Cambridge
B.S., Upper Iowa University
Department:  Business Administration
Major:  Business Administration (Information Systems)

Peter S. Tubbs            Des Moines
B.A., Iowa State University
Department:  Business Administration
Major:  Business Administration

Steven John Williams       Carlisle
B.B.A., University of Alaska Southeast
Department:  Business Administration
Major:  Business Administration (Information Systems)

Xiaosi Zhang              Ames
B.Sc., Peking University;  M.S., Iowa State University;  M.S.,  Ibid.
Department:  Business Administration
Major:  Business Administration

§ Research Excellence Award
† † Teaching Excellence Award
MASTERS OF COMMUNITY AND REGIONAL PLANNING

Amy Alice Logan          Oconomowoc, Wis.
B.A., Luther College
Department: Community and Regional Planning
Major: Community and Regional Planning

MASTERS OF EDUCATION

Ahmad Mahmoud Al-Kofahi       Ames
B.Sc., Yarmouk University - Jordan
Department: Curriculum and Instruction
Major: Education (Curriculum and Instructional Technology)

Teresa Michele Atkins          Eulaw, Ala.
B.S., Alabama A&M University
Department: Apparel, Educational Studies and Hospitality Management
Major: Family and Consumer Sciences Education

David J. Ball                    Hudson
B.A., Mount Mercy College
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Ashley Gale Becker            Des Moines
B.S., Iowa State University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Crystal M. Becker            Atlantic
B.S., Iowa State University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Holly Nicole Callahan         Grimes
B.S., Wartburg College
Department: Curriculum and Instruction
Major: Education

Ruby Lorraine Clyde          Harlan
B.A., University of Northern Iowa
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Lyle Dean Fedders            Des Moines
B.S., Iowa State University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Abby Marie Bierstedt Friedrichsen    Des Moines
B.A., University of Northern Iowa
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Joshua S. Greenlee           Ames
B.S., Iowa State University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

David Alvin Gute             Carson
B.S., Iowa State University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

James Lawrence Harris        Wesetlake, Ohio
B.S., Miami University
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Michelle Anne Holtkamp       Urbandale
B.A., University of Northern Iowa
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Steven E. Hopper             Waukee
B.S., Iowa State University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)
Christopher D. Larson  
*Norwalk*

B.S., Drake University  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Administration)

Robert A. Leifeld  
*Sibley*

B.I.L., Viterbo University  
Department: Educational Leadership and Policy Studies  
Major: Education (Higher Education)

Deborah Marie Martinez  
*Ames*

B.A., Loras College  
Department: Educational Leadership and Policy Studies  
Major: Education (Higher Education)

Kimberly Sue O’Donnell  
*Pleasant Hill*

B.S., Morningside College  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Administration)

Laura N. Olson  
*Des Moines*

B.S., Iowa State University  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Administration)

Anne Louise Otte  
*Ankeny*

B.A., Central College  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Administration)

Scott Nathaniel Paja  
*Stockton, Ill.*

B.A., Central College  
Department: Educational Leadership and Policy Studies  
Major: Education (Higher Education)

Sara Lynne Ruckle  
*Ankeny*

M.A.T., Drake University  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Administration)

Katherine Rose Sinnott  
*Great Falls, Mont.*

B.S., Eastern Oregon University  
Department: Educational Leadership and Policy Studies  
Major: Education (Higher Education)

Tammy R. Stegman  
*Ames*

B.A., University of Northern Iowa  
Department: Educational Leadership and Policy Studies  
Major: Education (Higher Education)

**MASTER OF ENGINEERING**

Jonathan Michael Achenbach  
*New York, N.Y.*

B.S., Northwestern University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering

Steven Louis Anthonisen  
*Cedar Rapids*

B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Computer Engineering

Na Bai  
*Pleasant Hill*

B.S., Eastern Kentucky University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering

William John Bellingham  
*Lake City, Minn.*

B.S., University of Wisconsin - Stout  
Department: Industrial and Manufacturing Systems Engineering  
Major: Systems Engineering

Maurie Diana Benggio  
*Orlando, Fla.*

B.S., University of Central Florida  
Department: Industrial and Manufacturing Systems Engineering  
Major: Systems Engineering

Sterling Lloyd Frison  
*Saint Louis, Mo.*

B.S., Iowa State University  
Department: Mechanical Engineering  
Major: Mechanical Engineering

---

§ *Research Excellence Award*  
† † *Teaching Excellence Award*
<table>
<thead>
<tr>
<th>Name</th>
<th>City, State</th>
<th>Institution</th>
<th>Department</th>
<th>Major</th>
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</thead>
<tbody>
<tr>
<td>Irsan Halim</td>
<td>Jakarta, Indonesia</td>
<td>Iowa State University</td>
<td>Electrical and Computer Engineering</td>
<td>Computer Engineering</td>
</tr>
<tr>
<td>Jeffrey Thomas Hoden</td>
<td>Maple Grove, Minn.</td>
<td>Luther College</td>
<td>Mechanical Engineering</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>Harry Steven Johnson</td>
<td>Overland Park, Kans.</td>
<td>Kansas State University</td>
<td>Electrical and Computer Engineering</td>
<td>Information Assurance</td>
</tr>
<tr>
<td>Andrea Leigh Lanzen</td>
<td>Ottumwa</td>
<td>Iowa State University</td>
<td>Industrial and Manufacturing Systems Engineering</td>
<td>Information Assurance</td>
</tr>
<tr>
<td>David Allen Lilienthal</td>
<td>Iowa City</td>
<td>Iowa State University</td>
<td>Mechanical Engineering</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>Thomas Christoper Lindner</td>
<td>Fort Dodge</td>
<td>Iowa State University</td>
<td>Mechanical Engineering</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>Phillip V. Mann</td>
<td>Rochester, Minn.</td>
<td>Iowa State University</td>
<td>Mechanical Engineering</td>
<td>Mechanical Engineering</td>
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<tr>
<td>Kathryn L. Martinek</td>
<td>Solon</td>
<td>Iowa State University</td>
<td>Industrial and Manufacturing Systems Engineering</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>Luis Carlos Martinez</td>
<td>Houston, Tex.</td>
<td>United States Air Force Academy</td>
<td>Electrical and Computer Engineering</td>
<td>Electrical Engineering</td>
</tr>
<tr>
<td>Austin Hiep Phan</td>
<td>Ankeny</td>
<td>University of Iowa</td>
<td>Mechanical Engineering</td>
<td>Mechanical Engineering</td>
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<tr>
<td>Christian Louis Poppinga</td>
<td>Johnston</td>
<td>Iowa State University</td>
<td>Electrical and Computer Engineering</td>
<td>Information Assurance</td>
</tr>
<tr>
<td>Mitchell Robert Prust</td>
<td>Saint Paul, Minn.</td>
<td>Concordia University</td>
<td>Mechanical Engineering</td>
<td>Information Assurance</td>
</tr>
<tr>
<td>Aleksandr Michael Sergek</td>
<td>Warrenton, Va.</td>
<td>United States Military Academy</td>
<td>Civil, Construction and Environmental Engineering</td>
<td>Civil Engineering (Construction Engineering and Management)</td>
</tr>
<tr>
<td>Guangyuan Sun</td>
<td>Ames</td>
<td>Beijing University of Chemistry</td>
<td>Chemical and Biological Engineering</td>
<td>Chemical Engineering</td>
</tr>
<tr>
<td>Tim Rovince Victor</td>
<td>Chennai, India</td>
<td>Dr. M.G.R. University</td>
<td>Aerospace Engineering</td>
<td>Aerospace Engineering</td>
</tr>
<tr>
<td>Samuel Arthur Wagner</td>
<td>Webster City</td>
<td>Iowa State University</td>
<td>Aerospace Engineering</td>
<td>Aerospace Engineering</td>
</tr>
<tr>
<td>Di Wu</td>
<td>Pleasant Hill</td>
<td>Eastern Kentucky University</td>
<td>Industrial and Manufacturing Systems Engineering</td>
<td>Industrial Engineering</td>
</tr>
</tbody>
</table>
MASTER OF FAMILY AND CONSUMER SCIENCES

Sara Jane Boyle
B.S., Iowa State University
Department: Family and Consumer Sciences
Major: Family and Consumer Sciences

Megan Christine Elias
B.S., Iowa State University
Department: Family and Consumer Sciences
Major: Family and Consumer Sciences

Erin L. Geiger
B.S., Marywood College
Department: Family and Consumer Sciences
Major: Family and Consumer Sciences

Keri Lee Helton
B.S., Illinois State University
Department: Family and Consumer Sciences
Major: Family and Consumer Sciences

Cory William Peden
B.S., Iowa State University
Department: Family and Consumer Sciences
Major: Family and Consumer Sciences
(Family Financial Planning)

Jenette LeAnn Smith
B.S., Northwest Missouri State University
Department: Apparel, Educational Studies and Hospitality Management
Major: Family and Consumer Sciences
(Textiles and Clothing)

Janice Jean Steffen
B.S., Iowa State University
Department: Family and Consumer Sciences
Major: Family and Consumer Sciences

Laura Kay Brannen West
B.B.A., University of Iowa
Department: Family and Consumer Sciences
(Family Financial Planning)

MASTER OF FINE ARTS

§ Kimberly L. Rogers
B.A., Knox College;
M.A., Iowa State University
Department: English
Major: Creative Writing and Environment
Thesis: Foreign currency: Travels inside Zimbabwe's economic crisis

MASTER OF LANDSCAPE ARCHITECTURE

Mary Susan Erickson
B.S., Iowa State University
Department: Landscape Architecture
Major: Landscape Architecture
Thesis: Investigating community impacts of a university outreach program through the lens of service learning and community engagement

§ Research Excellence Award
† † Teaching Excellence Award
MASTER OF PUBLIC ADMINISTRATION

Sean M. Bachman  
Des Moines  
B.A., St. Ambrose University  
Department: Political Science  
Major: Public Administration

Xiaolu Ding  
Yangzhong, China  
B.Mgmt., Nanjing University  
Department: Political Science  
Major: Public Administration

Robert Raymond Donahoo  
Pocahontas  
B.S., Iowa State University  
Department: Political Science  
Major: Public Administration

Lisa Marie Even  
Independence  
B.A., Loras College  
Department: Political Science  
Major: Public Administration

Thomas John Fennell  
Sioux City  
B.A., Briar Cliff University  
Department: Political Science  
Major: Public Administration

Christopher Todd Jones  
Marshalltown  
B.S., Iowa State University  
Department: Political Science  
Major: Public Administration

MASTER OF SCHOOL MATHEMATICS

Jennifer S. Hawes  
Burlington  
B.A, University of Iowa  
Department: Mathematics  
Major: School Mathematics

Cara Heidi Kern  
Sioux City  
B.S., Morningside College  
Department: Mathematics  
Major: School Mathematics

Jessica Mae Kastler  
Webster City  
B.A., University of Northern Iowa  
Department: Mathematics  
Major: School Mathematics

MASTER OF SCIENCE

Almass A. Abuzaid  
Ames  
B.S., Iowa State University  
Department: Interdisciplinary Graduate Studies  
Major: Interdisciplinary Graduate Studies (Biological and Physical Sciences)  
Thesis: Variation of carnitine concentrations in Angus beef

Bharat Kumar Addagada  
Visakhapatnam, India  
B.Tech., Andhra University  
Department: Computer Science  
Major: Computer Science  
Thesis: Intrusion detection in mobile phone systems using data mining techniques

Agatha Agustiana  
Surabaya, Indonesia  
B.S., University of Central Arkansas  
Department: Food Science and Human Nutrition  
Major: Nutritional Sciences  
Thesis: The dose-response effects of the amount of oil in salad dressing on the bioavailability of carotenoids and fat-soluble vitamins in salad vegetables

Suzanne Marie Ankerstjerne  
Sergeant Bluff  
B.S., Vanderbilt University  
Department: Geological and Atmospheric Sciences  
Major: Geology  
Thesis: Origin of the 610th Avenue Moraine of the Des Moines Lobe, Story County, Iowa

Paulo H. Elias Arruda  
Belo Horizonte, Brazil  
Titulo, Ponticia Catholic University  
Department: Veterinary Diagnostic and Production Animal Medicine  
Major: Veterinary Preventive Medicine  
Thesis: The effects of oral controlled exposure on colostrum characteristics in swine

William Edward Backhaus  
Griswold  
B.S., Iowa State University  
Department: Plant Pathology  
Major: Seed Technology and Business
Amanda LeRose Bell  
**Pensacola, Fla.**
B.S., Bethune-Cookman College  
Department: Statistics  
Major: Statistics

Michael Edward Blahut  
**Des Moines**
B.S., Iowa State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Geotechnical Engineering)  
Thesis: Propane earth materials drying techniques and technologies

Ross George Bohner  
**Story City**
B.S., University of Northern Iowa  
Department: Agricultural and Biosystems Engineering  
Major: Human Computer Interaction  
Thesis: Enhancing video game performance through an individualized biocybernetic system

Nancy Kay Brown  
**Clear Lake**
B.S., Iowa State University  
Department: Interdisciplinary Graduate Studies  
Major: Interdisciplinary Graduate Studies (Social Sciences)

Ashley Faye Buss  
**Volga**
B.S., Iowa State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Civil Engineering Materials)  
Thesis: Investigation of warm-mix asphalt using Iowa aggregates

John Anthony Carr  
**Bettendorf**
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: Microfluidics engineering: A lab-on-chip bioassay for in vivo nematode testing

Andrew Aaron Cascione  
**Saint Clair Shores, Mich.**
B.S., Michigan Technological University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Civil Engineering Materials)  
Thesis: Influence of post-consumer recycled asphalt shingles on hot mix asphalt containing fractionated recycled asphalt pavement

Sahngnyun Cha  
**Incheon, South Korea**
B.E., Inha University  
Department: Computer Science  
Major: Computer Science  
Thesis: From semantic security to chosen ciphertext security

Jenny Chiuking Chan  
**Hong Kong**
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Information Assurance

Ye Chen  
**Shanghai, China**
B.E., Fudan University  
Department: Supply Chain and Information Systems  
Major: Information Systems

Sung Teck Cho  
**Seoul, South Korea**
B.S., Dankook University  
Department: Supply Chain and Information Systems  
Major: Information Systems

Kejun Chu  
**Fuyang, China**
B.A., Nanjing University  
Department: Journalism and Mass Communication  
Major: Journalism and Mass Communication  
Thesis: Framing Chinese migrant workers: A comparison of media coverage in Mainland China and Hong Kong

Gary Wayne Clark  
**Centerville**
B.S., Iowa State University  
Department: Agricultural Education and Studies  
Major: Agricultural Education

Adam J. Conover  
**Baxter**
B.S., Iowa State University  
Department: Animal Science  
Major: Animal Science  
Thesis: Impact of feeding regimen on hip height measures in feedlot steers

Ashley Elizabeth Cook  
**Anchorage, Alaska**
B.S., Iowa State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Structural Engineering)  
Thesis: Instrumentation and monitoring of an integral abutment bridge supported on HP-Steel piles/concrete drilled shafts
Daniel Joseph Cook  
Newark, Ohio
B.S., Iowa State University
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Transportation Engineering)
Thesis: Secondary low volume rural road safety: Segmentation, crash prediction, and identification of high crash locations

Marcos Paulo da Silva  
Ames
Eng., University of Luteran of Brazil - Ulbra
Department: Plant Pathology
Major: Plant Pathology
Thesis: Interactions between lesion nematodes and corn pathogens

Stephanie Nichole D’Adamo  
Mechanicsville, Va.
B.A., Duke University
Department: Sociology
Majors: Sustainable Agriculture and Sociology
Thesis: Farmer photovoice: Visual values and the impact on conservation practices

Lu Dai  
Haimen, China
B.E., Beijing Information Technology Institute;
M.S., Tsinghua University
Department: Electrical and Computer Engineering
Major: Electrical Engineering
Thesis: An Ising-based approach for tracking illegal P2P content distributors

Philip Carl Damery  
Rochester, Ill.
B.S., Illinois State University
Department: Sociology
Major: Sustainable Agriculture

Chad Joseph Daniel  
Ankeny
B.S., Iowa State University
Department: Mechanical Engineering
Major: Mechanical Engineering

Bernardo Gusman del Campo  
Montevideo, Uruguay
B.S., Facultad de Agronomia
Department: Agricultural and Biosystems Engineering
Majors: Biorenewable Resources and Technology and Industrial and Agricultural Technology
Thesis: Corn cob dry matter loss in storage as affected by temperature and moisture content

Cheng Deng  
Hengyang, China
B.E., Harbin Institute of Technology;
M.S., Ibid.
Department: Aerospace Engineering
Major: Engineering Mechanics
Thesis: Machining induced defects in Relaxor ferroelectric PMN-PT crystals

Brian Matthew Edwards  
Cedar Rapids
B.A.S., Mount Mercy College
Department: Electrical and Computer Engineering
Major: Information Assurance
Thesis: Integrating modern business methodologies and behavior factors to better apply information technology security practices within the organization

David Roberto Escudero  
Quito, Ecuador
Ing., San Francisco University of Quito
Department: Mechanical Engineering
Major: Biorenewable Resources and Technology
Thesis: Bed height and material density effects on fluidized bed hydrodynamics

Matthew James Essick  
Dickens
B.S., Iowa State University
Department: Agronomy
Major: Agronomy

Ryan Richard Evans  
Minnetonka, Minn.
B.S., Iowa State University
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Structural Engineering)
Thesis: Modified sheet pile abutments for low volume road bridges

Jacqueline Danielle Farrell  
Ames
B.S., Iowa State University
Department: Agronomy
Major: Genetics
Thesis: Deacclimation response to winter temperature fluctuations in Lolium perenne

Andrew P. Fornadel  
Columbia, Md.
B.S., Juniata College
Department: Geological and Atmospheric Sciences
Major: Geology
Thesis: Mineralogical, petrological, stable isotope and fluid inclusion studies of the Palea Kavala reduced intrusion-related and the transitional Fakos porphyry Cu-Mo to epithermal Au-Te ore systems
<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>University</th>
<th>Major</th>
<th>Thesis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert Christian Foster</td>
<td>Lawton, Okla.</td>
<td>Oklahoma State University</td>
<td>Statistics</td>
<td></td>
</tr>
<tr>
<td>Luke Karsten Fostvedt</td>
<td>Ketchum, Idaho</td>
<td>University of Redlands</td>
<td>Statistics</td>
<td></td>
</tr>
<tr>
<td>Joshua Cody Frederick</td>
<td>Tripoli</td>
<td>Iowa State University</td>
<td>Materials Science and Engineering</td>
<td>Strains and polarization developed during electric field-induced antiferroelectric to ferroelectric phase transformations in lead zirconate-based ceramics</td>
</tr>
<tr>
<td>Kevin S. Fry</td>
<td>Greensburg, Pa.</td>
<td>Pennsylvania State University</td>
<td>Agronomy</td>
<td></td>
</tr>
<tr>
<td>Alison Rae Glidden</td>
<td>Benkelman, Neb.</td>
<td>University of Nebraska at Kearney</td>
<td>Kinesiology</td>
<td></td>
</tr>
<tr>
<td>Bradley J. Grefe</td>
<td>Grimes</td>
<td>Iowa State University</td>
<td>Community and Regional Planning</td>
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<td>Matthew Dakin Griffith</td>
<td>Des Moines</td>
<td>Iowa State University</td>
<td>Electrical and Computer Engineering</td>
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<tr>
<td>Elizabeth Rose Hageman</td>
<td>Waucoma</td>
<td>Iowa State University</td>
<td>Kinesiology</td>
<td>Medial longitudinal arch mechanics before and after a prolonged run</td>
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<tr>
<td>Michelle Hall</td>
<td>Drum, Ireland</td>
<td>Dublin City University</td>
<td>Kinesiology</td>
<td>Biomechanical and neuromuscular adaptations in those with anterior cruciate ligament reconstruction during functional movements</td>
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<tr>
<td>Erica Kay Hellmich</td>
<td>Algona</td>
<td>Iowa State University</td>
<td>Entomology</td>
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<tr>
<td>Trang Thi Thu Hoang</td>
<td>Ames</td>
<td>Water Resources University</td>
<td>Agricultural and Biosystems Engineering</td>
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<tr>
<td>Joseph Scott Holub</td>
<td>Hiawatha</td>
<td>Iowa State University</td>
<td>Mechanical Engineering</td>
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<tr>
<td>Kristin Hopper-Losenicky</td>
<td>Vinton</td>
<td>Buena Vista University</td>
<td>Journalism and Mass Communication</td>
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<td>Raja Umer Imtiaz</td>
<td>Rawalpindi, Pakistan</td>
<td>Iowa State University</td>
<td>Electrical and Computer Engineering</td>
<td></td>
</tr>
</tbody>
</table>
Melissa Lynne Jakubauskas  
*Upland, Calif.*  
B.S., California State Polytechnic University  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Apparel, Merchandising and Design  
Thesis: Men’s consumption of fitness and exercise: An exploration of motivations for exercise and fitness involvement

Huanyi Jiang  
*Guangzhou, China*  
B.Med., Jinan University  
Department: Food Science and Human Nutrition  
Major: Nutritional Sciences  
Thesis: Reduction in mucosal barrier markers with soy protein diet but not Lactobacillus rhamnosus GG in DSS-treated mice

David C. Jones  
*Davenport*  
B.S., Iowa State University  
Department: Economics  
Major: Economics

Joyce Yoosun Kang  
*Ames*  
B.S., Iowa State University  
Department: Chemistry  
Major: Organic Chemistry  
Thesis: Synthesis of chrysosplenol B, chrysosplenol D, and their analogs and synthesis of 3-(carboxymethylthio)-picolinic acid and its analog

Priyanka Nitin Karandikar  
*Mumbai, India*  
D. Arch., Maharashtra State Board of Technical Education  
Department: Architecture  
Major: Architectural Studies  
Thesis: *Chawls*: Analysis of a middle class housing type in Mumbai, India

Rajesh Kumar Karthikeyan  
*Erode, India*  
B.E., Anna University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Thesis: Process planning for rapid manufacturing of plastic injection mold for short run production

Gokhan Kir  
*Konya, Turkey*  
B.S., Selcuk University  
Department: Genetics, Development and Cell Biology  
Major: Genetics  
Thesis: brassinosteroid regulation of plant height in maize

Vineeth Kisara  
*Warangal, India*  
B.E., Birla Institute of Technology and Science  
Department: Computer Science  
Major: Computer Science  
Thesis: A new routing metric for wireless mesh networks

Ross C. Klicker  
*Arlington Heights, Ill.*  
B.S., Iowa State University  
Department: Interdisciplinary Graduate Studies  
Major: Interdisciplinary Graduate Studies (Community Development)

Sateesh Kumar Kodavali  
*Ames*  
M.S., Birla Institute of Technology and Science  
Department: Computer Science  
Majors: Computer Science and Human Computer Interaction  
Thesis: Extensible Problem Specific Tutor (xPST): Easy authoring of intelligent tutoring systems

Yew Meng Koh  
*Klang, Malaysia*  
B.S., University of Malaya;  
M.S., Ibid.  
Department: Statistics  
Major: Statistics

Dai-Trang Le  
*Salt Lake City, Utah*  
B.S., University of Utah;  
M.S., Ibid.;  
M.S., Ibid.  
Department: Statistics  
Major: Statistics

Kristine Ann Legler  
*Renwick*  
B.S., Iowa State University  
Department: Agricultural Education and Studies  
Major: Agricultural Education

Shuangyan Lei  
*Zhijiang, China*  
B.E., Xidian University;  
M.S., University of Science and Technology of China  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Thesis: A comparison study of digital sinusoidal fringe generation technique: Defocusing binary patterns VS focusing sinusoidal patterns

Joseph P. Lemmons  
*Omaha, Neb.*  
B.S., University of Nebraska - Lincoln  
Department: Agronomy  
Major: Agronomy
Shan Li, Qujing, China  
B.S., China Agricultural University  
Department: Agronomy  
Major: Plant Biology  
Thesis: Characterization of soybean GmPUB1 proteins that interact with the Phytophthora sojae effector Avr1b protein

Daqi Liu, Jining, China  
B.A., Communication University of China  
Department: Journalism and Mass Communication  
Major: Journalism and Mass Communication  
Thesis: A comparative look at the coverage of the Sichuan earthquake in Chinese and American newspapers

Lu Liu, Chengdu, China  
B.S., Sichuan University  
Department: Plant Pathology  
Major: Sustainable Agriculture  
Thesis: Quantifying the aggressiveness, temporal and spatial spread of Pantoea stewartii in sweet corn

Shiyao Liu, Linfen, China  
B.S., Beijing Jiao Tong University  
Department: Statistics  
Major: Statistics

Yuheng Long, Guangzhou, China  
B.S., South China University of Technology  
Department: Computer Science  
Major: Computer Science  
Thesis: Implicit invocation meets safe, implicit concurrency

Richard Daniel Lopez, Ames  
B.S., Iowa State University  
Department: Materials Science and Engineering  
Major: Materials Science and Engineering  
Thesis: Comparison of radiation sources and filtering safety glasses for fluorescent nondestructive evaluation

Jose Antonio Lora, Lima, Peru  
Lic., Pontificia Universidad Católica del Perú  
Department: Supply Chain and Information Systems  
Major: Information Systems

Hong Lu, Tongling, China  
B.S., Nankai University  
Department: Statistics  
Major: Statistics

Ganesan Mani, Chennai, India  
B.E., National Institute of Information Technology  
Department: Electrical and Computer Engineering  
Major: Computer Engineering

Yoga Maheswar Marisetti, Rajahmundry, India  
B.E., Andhra University  
Department: Electrical and Computer Engineering  
Major: Computer Engineering

Nicholas E. McCann, Kenosha, Wis.  
B.A., Miami University; B.S., Ibid.  
Department: Animal Science  
Major: Sustainable Agriculture

Vanessa Nicole McCracken, Westminster, Colo.  
B.S., Colorado State University  
Department: Agronomy  
Major: Agronomy

Patrick Gregory McIntyre, Winnebago, Ill.  
B.S., Northern Illinois University  
Department: Kinesiology  
Major: Kinesiology (Biological Basis of Physical Activity)  
Thesis: Methods of physical activity assessment for older adults

Kevin Wade McLain, Jefferson City, Mo.  
B.S., Kansas State University; M.S., Ibid.  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Construction Engineering and Management)

Robert Paul McNaull, Asland, Ohio  
B.S., Ohio State University  
Department: Agricultural and Biosystems Engineering  
Major: Agricultural Engineering  
Thesis: Design and evaluation of variable rate stover collection control system for a single pass dual stream biomass harvester system

Elizabeth A. Meimann, Nevada  
B.S., Iowa State University  
Department: Food Science and Human Nutrition  
Major: Food Science and Technology

§ Research Excellence Award  
† † Teaching Excellence Award
Julie Marie Meyer  
Saint Louis, Mo.  
B.S., Truman State University  
Department: Plant Pathology  
Major: Genetics  
Thesis: Genetic characterization of the partial restorer of fertility gene, Rf8, in T cytoplasm maize

Joel Gregory Millage  
Maple Grove, Minn.  
B.S., North Dakota State University  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Thesis: GPU integration into a software defined radio framework

Madhu Monga  
Faridabad, India  
B.Tech., Kurukshetra University  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Thesis: Real-time simulation of dynamic vehicle models using high performance reconfigurable computing platforms

Colleen Elizabeth Murray  
Tampa, Fla.  
B.A., State University of New York at Albany  
Department: Interdisciplinary Graduate Studies  
Major: Interdisciplinary Graduate Studies (Community Development)

Joshua Charles Neuman  
Northbrook, Ill.  
B.S., University of Illinois - Urbana Champaign  
Department: Food Science and Human Nutrition  
Major: Nutritional Sciences  
Thesis: Exercise prevents hyperhomocysteinemia in a folate-deficient mouse model

Jennifer Anne O’Neill  
Waukon  
B.A., Upper Iowa University;  
M.A., Iowa State University  
Department: Sociology  
Major: Sustainable Agriculture  
Thesis: Status of veterinary care for organic livestock producers in Iowa and suggestions for improvement

Song Eui Park  
Seoul, South Korea  
B.S., Yonsei University;  
M.S., Ibid.  
Department: Physics and Astronomy  
Major: Astrophysics

Jason Carl Patton  
Apple Valley, Minn.  
B.S., Iowa State University  
Department: Agronomy  
Major: Agricultural Meteorology  
Thesis: Evaluation of an uncalibrated agricultural land model at the sub-field scale

Shi Peng  
Guangzhou, China  
B.Mgmt., Huazhong University of Science and Technology  
B.Eng., Ibid.;  
M.Mgmt., Ibid.  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Thesis: Supply chain models for an ethanol and distillers grains producer and a distillers grains-based feed producer

Mitchell Ray Pohlkamp  
Scandia, Minn.  
B.S., Iowa State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Structural Engineering)  
Thesis: An experimental validation of a statistical based damage detection approach

Prasad Ramanahally Siddalinga  
Bengaluru, India  
B.T., National Institute of Technology - Warangal  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Thesis: Sensor augmented large interactive surfaces

Yu Qiu  
Tongliang, China  
B.S., University of Science and Technology of China;  
M.S., State University of New York - Buffalo  
Department: Statistics  
Major: Statistics

Zhuojun Quanji  
Ames  
B.E., Southeast University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Civil Engineering Materials)  
Thesis: Thixotropic behavior of cement-based materials: Effect of clay and cement types

§  Research Excellence Award  
† † Teaching Excellence Award
Lavanya Ram  
B.Tech., Sri Ramaswamy Memorial University  
Department: Computer Science  
Major: Computer Science  
Thesis: Bayesian model averaging using k-best bayesian network structures

Pooja Ramesh  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: Microfluidic single cell sorting and trapping using dual spiral channels

Danielle Elizabeth Reed  
B.S., Iowa State University  
Department: Genetics, Development and Cell Biology  
Major: Genetics  
Thesis: Characterization of the brown midrib4 gene of maize (Zea mays L.): A step towards enhancing the carbon sequestration capacity of stover

Zachary Thomas Regelin  
B.A, University of Northern Iowa  
Department: Entomology  
Major: Molecular, Cellular, and Developmental Biology  
Thesis: Translation and replication of Rhopalosiphum padi virus RNA in a plant cellular environment

Muhammad Ali Riaz  
B.E., National University of Modern Languages;  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: Feasibility of compressed air energy storage to store wind energy on daily and monthly basis

Ling Rivers  
Cert., Zhejiang Gongshang University  
Department: Agronomy  
Major: Agronomy

Kurt Edward Roots  
B.B.A., University of Wisconsin - Eau Claire;  
M.S., University of St. Thomas  
Department: Supply Chain and Information Systems  
Major: Information Systems

Blake Anthony Michael Rubino  
B.S., Iowa State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Civil Engineering Materials)  
Thesis: An investigative look at the effects of post consumer recycled asphalt shingles on soils and flexible pavements

Melissa Lynn Rynerson  
B.A., University of Minnesota - Morris  
Department: Entomology  
Major: Entomology  
Thesis: Tritrophic interactions among larval western corn rootworm, Bt corn and entomopathogens

Anand Saggi  
B.Tech., Dr. B. R. Ambedkar National Institute of Technology  
Department: Computer Science  
Major: Computer Science  
Thesis: A framework for multimedia playback and analysis of MPEG-2 videos with FFmpeg

Justin Robert Scherff  
B.A., Central College  
Department: Kinesiology  
Major: Kinesiology (Biological Basis of Physical Activity)  
Thesis: Effect of EpiCor supplementation on delayed onset muscle soreness and inflammation after unaccustomed, eccentric resistance exercise

Kirk A. Schwarte  
B.S., Iowa State University  
Department: Animal Science  
Major: Nutritional Sciences (Animal Nutrition)  
Thesis: Assessment of the risks of nonpoint source pollution of pasture streams related to grazing management

Romulo Macord Segovia Ugarte  
Ing. Zoo., Universidad Nacional de San Antonio Abad del Cusco  
Department: Ecology, Evolution and Organismal Biology  
Major: Genetics  
Thesis: Extensive and evolutionary persistent mitochondrial tRNA editing in velvet worms (Phylum Onychophora)

§ Research Excellence Award
† † Teaching Excellence Award
Sharan Sethuraman  Mysore, India
B.Tech., National Institute of Technology
Department: Mechanical Engineering
Major: Mechanical Engineering
Thesis: Performance of a pilot scale biomass gasification and producer gas combustion system using feedstock with controlled nitrogen content

Andrew Royal Seward  Sergeant Bluff
B.S., Iowa State University
Department: Mechanical Engineering
Major: Mechanical Engineering

Yanjun Shi  Linfen, China
B.S., Chongqing University; M.E., Ibid.
Department: Industrial and Manufacturing Systems Engineering
Major: Industrial Engineering
Thesis: Discovering patterns in a survey of secondary injuries due to agricultural assistive technology

Alexander Joseph Smith  Hiawatha
B.S., Iowa State University
Department: Electrical and Computer Engineering
Major: Electrical Engineering
Thesis: A method to determine the presence of oxygen in organic light-emitting diodes (OLEDs)

Dorisa Keziah Smith  Norwalk
B.S., Iowa State University
Department: Agricultural Education and Studies
Major: Agricultural Education

Richard Manning Snyder  Bettendorf
B.S., Iowa State University
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Structural Engineering)
Thesis: Seismic performance of an I-girder to inverted-T bent cap bridge connection

Jose Pablo Soto Arias  Curridabat, Costa Rica
B.Arch., University of Costa Rica
Department: Plant Pathology
Major: Plant Pathology
Thesis: Interactions among viruses, insect vectors and the Phomopsis complex in soybean, and effects of integrated management strategies

§ Seth Aaron Stanley  Gower, Kans.
B.S., University of Missouri - Rolla
Department: Electrical and Computer Engineering
Major: Electrical Engineering

Sheng Tang  Chengdu, China
B.S., Iowa State University
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Civil Engineering Materials)
Thesis: Asphalt modification by utilizing bio-oil ESP and tall oil additive

§ Laura Catherine Temple  Ainsworth
B.S., Iowa State University
Department: Human Development and Family Studies
Major: Human Development and Family Studies
Thesis: Utilization of care services among the oldest old

Dale Howard Tessin  Renton, Wash.
B.S., Colorado State University
Department: Statistics
Major: Statistics

Hephzibah Thampi  Pulippunam, India
B.E., Anna University
Department: Aerospace Engineering
Major: Engineering Mechanics
Thesis: Interaction of a translating tornado with a low-rise building

Joshua Robert Tinkham  Cedar Rapids
B.S., University of Northern Iowa
Department: Electrical and Computer Engineering
Major: Computer Engineering

Julia Kay Townsley  Letts
B.S., Iowa State University
Department: Agricultural Education and Studies
Major: Agricultural Education

Naga Bhagvanth Ram Vattumalli  Hyderabad, India
B.Tech., Jawaharlal Nehru Technological University
Department: Computer Science
Major: Computer Science
Thesis: Panorama - a software maintenance tool

§ Research Excellence Award
† † Teaching Excellence Award
‡ Degree Conferred Posthumously October 18, 2010
Todd R. Vens  
Madrid  
B.A., Iowa State University  
Department: Curriculum and Instruction  
Major: Education (Curriculum and Instructional Technology)  
Thesis: The suitableness of Google documents as a student collaborative writing tool

Vidyapati  
Bhilai, India  
B.E., Pt. Ravishankar Shukla University; M.Tech., Indian Institute of Technology - Bombay  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Thesis: Discrete element simulations and constitutive modeling of dense granular flows

Karla Elizabeth Vogel  
Ankeny  
B.S., Iowa State University  
Department: Agronomy  
Major: Genetics  
Thesis: Genetic characterization of maize populations selected for grain methionine content

Kai Wang  
Mianyang, China  
B.E., University of Science and Technology of China  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: Transfer operator-based approach for domain of attraction computation and experimental data analysis

Minglu Wang  
Beijing, China  
B.E., Tsinghua University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Thesis: TRUST, situation awareness and automation use: Exploring the effect of visual information degradations on human perception and performance in human-telerobot system

Xiujuan Wang  
Shanghai, China  
B.E., Chongqing University; M.E., Ibid.; Ph.D., Iowa State University  
Department: Statistics  
Major: Statistics

Chen-Shuang Wei  
Yunlin, Taiwan  
B.S., National Taiwan University; B.E., Ibid.  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Thesis: The impact of inspector’s cognitive style on performance in various visual inspection display tasks

Julie Ann Weisshaar  
Creston  
B.S., University of Iowa  
Department: Interdisciplinary Graduate Studies  
Major: Interdisciplinary Graduate Studies (Community Development)

Melissa Mae Wickham  
Cedar Rapids  
B.S., Iowa State University  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Thesis: A study of haptic interactions with an under actuated robot in three dimensions

Steven John Williams  
Carlisle  
B.B.A., University of Alaska Southeast  
Department: Supply Chain and Information Systems  
Major: Information Systems

Valerie J. Williams  
Wauwatosa, Wis.  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Human Computer Interaction  
Thesis: Creating a responsive, real-time, malleable environment for dancers

Emerald C. Wilson  
Brodnax, Va.  
B.S., Chatham College  
Department: Interdisciplinary Graduate Studies (Biological and Physical Sciences)  
Major: Interdisciplinary Graduate Studies  
Thesis: The effect of visuals on recall, attitude and behavioral intention toward irradiated foods

Matthew Stephen Wilson  
Muscatine  
B.S., Iowa State University  
Department: Agronomy  
Major: Agronomy

§ Research Excellence Award  
† † Teaching Excellence Award
Xiang Wu  
Guangshui, China  
B.E., Tsinghua University;  
M.S., Ibid.  
Department: Statistics  
Major: Statistics

Nan Xiao  
Changchun, China  
B.S., Nanjing University;  
M.S., Wayne State University  
Department: Agricultural and Biosystems Engineering  
Major: Industrial and Agricultural Technology  
Thesis: Using functionalized nanoparticles as sensors for rapid monitoring of drinking water quality

Songyan Xu  
Harbin, China  
B.Eng., Harbin Institute of Technology;  
M.Eng., Ibid.  
Department: Computer Science  
Major: Computer Science  
Thesis: Energy-efficient task assignment of wireless sensor network with the application to agriculture

Lin Yang  
Beijing, China  
B.Econ., Tsinghua University;  
M.A., Ibid.  
Department: Economics  
Major: Economics  
Thesis: Acreage allocation in the presence of various commodity and conservation programs: The case of conservation reserve program and crop production in the Midwest

Jiajun Yao  
Longyan, China  
B.S., Shanghai University of Sport  
Department: Journalism and Mass Communication  
Major: Journalism and Mass Communication  
Thesis: The effect of hosting the Olympics on national image: An analysis of US newspaper coverage of host countries with reputation problems

Ezgi Yurdakul  
Mersin, Turkey  
Lisans., Yildiz Technical University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Civil Engineering Materials)  
Thesis: Optimizing concrete mixtures with minimum cement content for performance and sustainability

Tao Zeng  
Tangshan, China  
B.S., Iowa State University;  
B.S., Ibid.  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: Static and dynamic nonlinearity compensation techniques for high performance current-steering digital-to-analog converters

Enhan Zhang  
Linyi, China  
B.Econ., Beijing University  
Department: Statistics  
Major: Statistics

Ying Zhou  
Jining, China  
B.S., Yantai Normal University;  
M.S., Xi’an Jiaotong University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Thesis: Designing effective and efficient incentive policies for renewable energy in generation expansion planning

Wenda Zhu  
Mudanjiang, China  
B.S., China Agricultural University  
Department: Agricultural and Biosystems Engineering  
Major: Toxicology  
Thesis: Ozone-based decolorization of food colorants: Characterization and application to fruit leather recycling

§ Research Excellence Award  
† † Teaching Excellence Award
CANDIDATES FOR DEGREES
FROM THE COLLEGE OF AGRICULTURE AND LIFE SCIENCES

BACHELOR OF SCIENCE

Curriculum in Agricultural and Life Sciences Education

- Daniel P. Hansen  Audubon
- Brandi Colleen Merrick  Carroll
- Jessica Ann O’Connor  Rockford
- Brooke Rae Peppmeier  Shannon City
- Kelsey M. Sutter  Pleasantville
- Allyssa Kristine Wilson  Griswold

Curriculum in Agricultural Biochemistry

- Sabrina Y. Soh  Boone

Curriculum in Agricultural Business

- Joshua Dean Beer  De Witt
- Joseph William Brown  Graettinger
- Alec Michael Deardeuff  Rockwell
- Matthew David Ellerman  Dallas Center
- Kyle Philip Johnson  Marcus
- Kaitlin Irene Metzger  Gridden
- Jeffrey Amund Midthgaard  Hanlontown
- Steven Loren Myers  Creston
- Cody James Ostendorf  Meservey
- JaLynne Nicole Russell  Prescott
- Travis Paul Sullivan  Humboldt
- Jill Renee Verploegh  Fremont

Curriculum in Agricultural Studies

- Trevor Charles Appley  Akron
- Austin L. Berry  Creston
- Curtis John Bierbaum  Griswold
- Thomas Steven Clagett  Kessett
- Zachary James Classen  West Bend
- Kurt Lloyd Dunham  Grinnell
- Chad Michael Fertig  Wall Lake
- Benjamin C. Fonken  Williams
- Kyle Alan Frerichs  Buffalo Center
- Nathan Michael Friedman  Saint Marys
- Timothy Dean Graham  Hedrick
- Alex William Hill  Stanhope
- Jens Hjelm  Lake Park
- Derek Anthony Kleve  Clermont
- Nicholas Eugene Knudsen  Atlantic
- Shawnna A. Lee  Polk City
- Nathan Alan Mayland  Britt
- Andrew Jacob Rudolph  Marengo
- Brad S. Ruppert  Mardall
- Nicholas Britton Sennert  Linn Grove
- Neal Joseph Siela  Vinton
- Daniel Paul Smith  Lake City
- Jamie Lee Smith  Belle Plaine

Curriculum in Agricultural Systems Technology

- Erin Allen Joseph Anderson  State Center
- Curt Michael Grandgeorge  Randolph
- Ryan Carl Jardon  Guttenberg
- Richard Clayton Kann  Van Horne
- Cody Alan Schminke  Glidden
- Brittany Nicole Schon  Crescent
- Kyle Reed Schropp  New Hampton

* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
### Curriculum in Agronomy

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melanie Lyn Aanonson</td>
<td>Lyle, Minn.</td>
<td></td>
</tr>
<tr>
<td>Yeshe Basazinew</td>
<td>Fairfax, Va.</td>
<td></td>
</tr>
<tr>
<td>Daniel John Brandhof</td>
<td>Prairie City</td>
<td></td>
</tr>
<tr>
<td>Samuel James Brockman</td>
<td>Melbourne</td>
<td></td>
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<tr>
<td>Lucas Gregory Huber</td>
<td>New Hampton</td>
<td></td>
</tr>
<tr>
<td>Darin James Kain</td>
<td>Algona</td>
<td></td>
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<tr>
<td>Kyle Wesley Kuehl</td>
<td>Perry</td>
<td></td>
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<tr>
<td>* Matthew Daniel Kurt</td>
<td>Cascade</td>
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<tr>
<td>*** Grace Rose Lockard</td>
<td>Oelwein</td>
<td></td>
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<tr>
<td>Adam Raymond Pick</td>
<td>Alton</td>
<td></td>
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<tr>
<td>Svetlana Pavel Prisacari</td>
<td>Ames</td>
<td></td>
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<tr>
<td>Bradley Allen Schechinger</td>
<td>Westphalia</td>
<td></td>
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<tr>
<td>** Jenna Jean Schneider</td>
<td>Washington</td>
<td></td>
</tr>
<tr>
<td>Micah Bryan Smidt</td>
<td>Kanawha</td>
<td></td>
</tr>
</tbody>
</table>

### Curriculum in Animal Ecology

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kaitlin Anne Hogueison</td>
<td>Glenwood</td>
<td></td>
</tr>
<tr>
<td>Nicholas Patrick Johnson</td>
<td>Fort Dodge</td>
<td></td>
</tr>
<tr>
<td>** Jessica Anne Kissner</td>
<td>Iowa City</td>
<td></td>
</tr>
<tr>
<td>Robin October Kline</td>
<td>Ames</td>
<td></td>
</tr>
<tr>
<td>Jason Michael Olsen</td>
<td>Tripoli</td>
<td></td>
</tr>
<tr>
<td>Claudette MJ Sandoval-Green</td>
<td>Pensacola, Fla.</td>
<td></td>
</tr>
<tr>
<td>Caitlyn Marie Warner</td>
<td>Davenport</td>
<td></td>
</tr>
<tr>
<td>Candace Renee Weis</td>
<td>Ames</td>
<td></td>
</tr>
<tr>
<td>Holly Catherine Wilkens</td>
<td>Fruitland</td>
<td></td>
</tr>
<tr>
<td>Molly Jo Wilmes</td>
<td>Conover</td>
<td></td>
</tr>
</tbody>
</table>

### Curriculum in Animal Science

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Degree</th>
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</thead>
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*** Summa Cum Laude
† Honors Program
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* Cum Laude
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† Honors Program
# Candidates for Degrees from the College of Business

## Bachelor of Science

**Curriculum in Business**

### Major in Accounting

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### Major in Finance

| Mark Daron Bayless | Chicago, Ill. |
| Derek John Behrmann | Consul, Canada |
| Harkinder Singh Bhullar | Indore, India |
| Justin Michael Bjerke | Webster City |
| ** Clark Linn Blackford | Norwalk |
| Robert Nelson Carman | Jefferson |
| Beau Bradley Christiansen | Ida Grove |
| Ashley Jo Clark | Ankeny |
| * Nathan Harrison Cook | Altoona |
| Christie Lyle Eckhoff | Missouri Valley |
| Matthew John Erlbacher | Defiance |
| Ryan Lynn Gibson | Minburn |
| Jason V. Glotfelty | Ames |
| Keri Ann Gries | Hartley |
| Devin Michael Groves | Monaca, Pa. |
| Mark Edward Hagen | Libertyville, Ill. |
| Samuel Christian Hanson | Webb |
| Brian David Hartung | Des Moines |
| Katie Lynn Haverhals | Le Mars |
| Austin James Haywood | Union |
| Timothy Matthew Hegarty | West Des Moines |
| Sahin Hoque | Dubuque |
| Ryan Scott Horner | Eden Prairie, Minn. |
| David Eugene Horton | Clarion |
| Rachael Lyn Kinsella | Logan |
| Matthew Joseph Konopka | Ankeny |
| Yinfei Liu | Dalian, China |
| ** Jessica Lokasari | Yogyakarta, Indonesia |
| Brandon John Lynch | Dubuque |
| Patrick Michael McAntire | Gladbrook |
| Scott Michael McEachron | Des Moines |
| Ross Vincent Menke | Sioux Falls, S. Dak. |
| Abbey Jordan Mertz | Perry |
| Jessica Marie Mullins | Des Moines |
| Pauline Mumbi Mundia | Des Moines |
| Shannon Michael Myers | Humboldt |
| Shawna Renee Nickel | Newton |
| Fatima M. Njoya | Yaounde, Cameroon |
| Andrew Steven Oberbroeckling | Muscatine |
| Sybil Jean O'Brien | Geneva |
| Benjamin Jeremy Power | Cedar Falls |
| Jacob David Robinson | Grayslake, Ill. |
| Benjamin Tyler Schroeder | Boone |
| Daniel Ryan Shuman | Onalaska, Wis. |

* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
Brian Stephen Skelton
Brian Michael Spies
Mark Richard Spurgeon
Michael Kraag Steubs
Amanda Dawn Thomas

Erik Lawrence Tripp
Keith Richard Tucker
Justin Ryan Wasson
Nicole Marie White
Jake Robert Williams

Boone
La Fox, Ill.
Decorah
Edina, Minn.
Swisher

Glenwood
Cedar Rapids
Boone
Des Moines

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

Brian Stephen Skelton
Brian Michael Spies
Mark Richard Spurgeon
Michael Kraag Steubs
Amanda Dawn Thomas

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Keith Richard Tucker
Justin Ryan Wasson
Nicole Marie White
Jake Robert Williams

Boone
La Fox, Ill.
Decorah
Edina, Minn.
Swisher

Glenwood
Cedar Rapids
Boone
Des Moines

Cum Laude
Magna Cum Laude
Summa Cum Laude
Honors Program

Major in Logistics and Supply Chain Management

Derek Paul Beilke
Si Ying Chen
William Thomas Danderand
Alexander Joseph DeVries
Cody Dustin Ehlers
Grant Edward Fallon
William Matthew Fleming
Carlos Alfredo Fuentes
Joshua Douglas Hergenrader

Jared Anthony Kozitza
Kirk J. Monnier
Christopher J. Nims
Ryan Richard Reinken
Riley Ray Richter
Jesse A. Sebern
Liang Tang
Eric W. Van Horn

Apple Valley, Minn.
Hong Kong, China
Naperville, Ill.
Des Moines
Ida Grove
Minnetonka, Minn.
Waterloo
Perry
Grimes

Thompson
Tripoli
Wading River, N.Y.
Boone
Granger
Manilla

Major in Management

Tyler Carl Bartels
Ashley Marie Brekke
John Thomas Carmichael
Adam Benjamin Chadderdon
Daniel Patrick Cherry
Tyler Robert Clausen
Andrew Crenshaw Jr.
Eric Perrin Dean
Steven Paul Erbstine
James Edward Foley
Michael Anthony Glasford
Devin Michael Groves
Holly Marie Gurney
Marc Lee Hempstead
Aaron David Hinkeldley
Shane Raymond Holtorf
Nicholas Dean Jaques

Yuyang Jin
Mitchell C. Kleve
Michael Mathews
Andrew Allen McElligott
Lindsay Ann McGowan
Wade Andrew Meyer
Heather Anne Minear
Jeffrey Scott Muselman
Eric E. Norris
Michael David Olson
Justin Tyler Peterson
Timothy John Rutledge
Brandon Jeffrey Sebben
Joshua Ryan Steinbrecher
Jesy James Webb
Gabriel Stephen Wilson

Ames
Marshalltown
Marshalltown
Ames
Sioux City
Albany, Ga.
Waukee
West Des Moines
Ankeny
Norwalk
Monaca, Pa.
Dexter
Carroll
Aurelia
Pomeroy
West Des Moines

Pella
Sergeant Bluff
Des Moines
Eagan, Minn.
Ames
Mason City
Des Moines
Urbanaile
Story City
Ankeny
Fort Dodge
West Des Moines
Ladd, Ill.
Le Mars
Denison
Ames

Major in Management Information Systems

Joseph Raymond Anderson II
Andrew Richard Barton
Brad Alan Bass
Melinda Ann Berger
Kyle Joseph Beste
Peter Jay Bowles
Michaele Ciara Buchanan
Si Ying Chen
Joseph William Crispin
Randolph Scott Dean
Joshua Joseph Dilocker
Trong Duc Dong
Joshua Michael Eklund
Eric Clayton Ellingson
Eric Charles Fulton
Brenton Jay Grimm

Salih Osman Ahmed Hamid
Travis Lynn Heuton
Mitchell Eric Hoffman
Caroline Patricia Immel
Yuriy Alekseevich Kirsanov
Matthew James Lorimor
Joshua C. Mack
Melissa Ann McCarthy
Ryan Mitchell
Gul Saeeda Naqvi
Matthew John Rodgers
Christopher Adam Salvo
Scott Thomas Sauber
Michael Thomas Stevens
Dylan Matthew Stowell
Jason Anthony Wemer

Ankeny
Davenport
Council Bluffs
Des Moines
Boone
Marshalltown
Washington, D.C.
Hong Kong, China
Urbanaile
Waterloo
Missouri Valley
Hanoi, Vietnam
Fairfield
Ames
Clive
Des Moines
West Des Moines
Des Moines
Council Bluffs
Johnston
Des Moines
Oskaloosa
Waukee

Des Moines
Carroll
Missouri Valley
Clive
Swea City
Thurman
Nevada
McIntire
Des Moines
West Des Moines
Des Moines
Council Bluffs

* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
### Major in Marketing

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### Major in Operations and Supply Chain Management

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<td>Eric R. Haizmann</td>
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### Multiple Curricula and Majors

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<td>Hillary Kibet Bor</td>
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<td>Mick Daniel Jepsen</td>
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<td>Allyson Nicole Korleski</td>
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<td>Matthew Thomas Kunze</td>
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<td>Business Economics and Operations and Supply Chain Management</td>
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</tbody>
</table>
Daniel Robert Lawler
Des Moines
Accounting and Finance

* Mun Yee Lee
Kuala Lumpur, Malaysia
Logistics and Supply Chain Management and Operations and Supply Chain Management

** Brooke Anne Lytle
Alta
Accounting and Finance

Cynthia Pilis Malim
Sandakan, Malaysia
Marketing and International Business

Omar Ahmad Manci
Nevada
Accounting and Liberal Arts and Sciences: Major in Political Science

*** John Ross Mayse Jr.
Ogden
Logistics and Supply Chain Management, Management, and Environmental Studies

John Zachary Moores
Dellwood, Minn.
Finance and Business Economics

Elizabeth Pool
Plymouth, Minn.
Accounting and Finance

* Marisa Anne Postal
Ankeny
Operations and Supply Chain Management, International Business, and Liberal Arts and Sciences: Major in Spanish

Jennifer Lynne Putz
Ankeny
Marketing and Liberal Arts and Sciences: Major in French

Angela Kay Savits
Ogden
Accounting and Logistics and Supply Chain Management

Adam John Schmidt
Milford
Management and International Business

Craig Benjamin Snyder
Sanborn
Finance and Management

David John Tapper
Ames
Accounting and Finance

Amanda Adelle Thomas
Saint Charles, Mo.
Marketing and Management

Nolan Adam Toot
Nevada
Finance and Management Information Systems

John Bryce Toyne
Ankeny
Finance and International Business

Jeffrey Michael Trende
Elsberry, Mo.
Marketing and Environmental Studies

Katie Mae Vande Berg
Harlan
Marketing and Management

Matthew Michael Vaughn
Nevada
Marketing and Logistics and Supply Chain Management

† Danlei Wang
Tianjin, China
Accounting and Finance

* Zi Wang
Ningbo, China
Accounting and Finance

Amy M. Warg
Gilbert
Accounting and Finance

Jeffrey A. Wittstock
Norwalk
Marketing and Management

Michael William Woods
Estherville
Accounting and Finance

*† Jinqian Yu
Shanghai, China
Accounting and Finance

* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
Candidates for Degrees from the College of Design

Bachelor of Architecture

Curriculum in Architecture

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
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<tbody>
<tr>
<td>Hannah Lyn Fischer</td>
<td>Cedar Rapids</td>
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<tr>
<td>David Matthew Gravlin Jr.</td>
<td>Creston</td>
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<tr>
<td>Chelsea Rae Jungles</td>
<td>Glen Ellyn, Ill.</td>
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<td>Leslie Ann Rumrill</td>
<td>Bellevue, Wash.</td>
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<td>Michaela Lynn Trank</td>
<td>Roscoe, Ill.</td>
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Multiple Curricula and Majors

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Tyler Wayne Baumgarten</td>
<td>Knoxville</td>
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<td>Megan Marie Drake</td>
<td>Iowa City</td>
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<td>Brian Christopher Eagen</td>
<td>Rochester, Minn.</td>
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<td>Aaron Michael Foley</td>
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Bachelor of Arts

Curriculum in Art and Design

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<tr>
<td>Mollie Marie Boersma</td>
<td>Manson</td>
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<td>Robert Bond</td>
<td>Chicago, Ill.</td>
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<tr>
<td>Tyler Austin Parker</td>
<td>Cedar Rapids</td>
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<td>Laura Marie Schoelkoph</td>
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<td>Casey James Shroyer</td>
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<td>Danielle Ashley Stuber</td>
<td>West Des Moines</td>
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<tr>
<td>Anna Louise Waddick</td>
<td>Edina, Minn.</td>
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<td>Emma Jane Watkins</td>
<td>Hartford</td>
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Multiple Curricula and Majors

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<tbody>
<tr>
<td>Ross Andrew Uitermarkt</td>
<td>Pella</td>
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Bachelor of Fine Arts

Curriculum in Graphic Design

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<tr>
<td>Brooke Aleishea Baudler</td>
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<tr>
<td>Nick Adam Brandt</td>
<td>Waukee</td>
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<td>Justin Craigen</td>
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<td>Megan Anne Rybak</td>
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<td>Kenyon Michael McCarty Shafer</td>
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Curriculum in Integrated Studio Arts

Jessica Marie Ashenfelter  Plainfield, Ill.  **  J. Marlo Madsen  Bettendorf
Jessica Lyn Dean  Newton  Kevin Ernest Nabity  Ankeny
Wade Alan Juhl  Council Bluffs  Katherine Anne Palmer  West Des Moines
Kerry Jo Kirschten  Alton  Bailey Dane Stone  West Des Moines

Multiple Curricula and Majors

Tony Hoang  Davenport
  Integrated Studio Arts and Liberal Arts and Sciences: Major in Psychology

Bachelor of Science

Curriculum in Community and Regional Planning

Hamzeh M.H. Al-Halawani  Amman, Jordan  Joel Christopher Menke  Urbandale
Darren Steven Appelwick  Des Moines

Multiple Curricula and Majors

Andrew Scott Farley  Perry
  Community and Regional Planning and Environmental Studies
Barbara Rose Kloth  Medford
  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

<table>
<thead>
<tr>
<th>Candidate Name</th>
<th>City, State</th>
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<tbody>
<tr>
<td>Adam Robert James Armstrong</td>
<td>Saint Louis, Mo.</td>
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<tr>
<td>James D. Benson</td>
<td>Marathon</td>
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<td>Patrick Joseph Clayton</td>
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<tr>
<td><strong>Tanner Preston Gasow</strong></td>
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<tr>
<td>Tsubasa Iwai</td>
<td>Yokkaichi, Japan</td>
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<tr>
<td>Derek Dean Jensen</td>
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<td>Jacob Alan Krohn</td>
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<td>Katherine Rose Mason</td>
<td>Waterloo</td>
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<td>Kyle Joseph Motl</td>
<td>Burnsville, Minn.</td>
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<td>Andrew Jay Nunnikhoven</td>
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<td>* Tyler Joseph Owen</td>
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### Curriculum in Agricultural Engineering

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<tr>
<td>* Scott Alexander Carroll</td>
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### Curriculum in Chemical Engineering

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<td>Benaiah Uchechukwu Anabaraonye</td>
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<td>De Witt</td>
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<td>** Bryant Robert Koons</td>
<td>Clinton</td>
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* Cum Laude
* * Magna Cum Laude
* * * Summa Cum Laude
† Honors Program
Nathan Jeffrey Ver Heul  
Ames

Adam James Wright  
Sumner

Ann Elizabeth Wymore  
Cedar Rapids

### Curriculum in Civil Engineering

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<td>Mark Douglas Baker</td>
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<td>Shane Nathaniel Bendgen</td>
<td>Council Bluffs</td>
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<td>Harlan</td>
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<td>Lauren Carol Caughhey</td>
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### Curriculum in Computer Engineering

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<td>Michael Cole Anagnost</td>
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<td>Aisha Jannica Grieme</td>
<td>Galva</td>
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<td>Yuriy Sergeyevich Gritsenko</td>
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<td>Joseph Roderick Lane III</td>
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<td>I. Taylor McKechnie</td>
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<td>Matthew John Smith</td>
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<td>* Kyle Lawrence Stephan</td>
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<td>Eric Jacob Tweedt</td>
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### Curriculum in Construction Engineering

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<td>Casey Lee Adams</td>
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<tr>
<td>Douglas Marlin Allen</td>
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<td>Marc James Basara</td>
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<td>Claire Elizabeth Bassett</td>
<td>Centennial, Colo.</td>
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<td>David Carney Boulanger</td>
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<td>Ryan Patrick Collins</td>
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<td>Alicia Lee Davison</td>
<td>Bedford</td>
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<td>Marko Dostanic</td>
<td>Waterloo</td>
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<td>Laura Carter Ellis</td>
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<td>Nicholas Andrew Goedken</td>
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<td>Karl John Hafencher</td>
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<td>Jay Andrew Mathes</td>
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* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
Anthony Curtis Meinke  
Goldfield

Michael Charles Moye-Rowley  
Iowa City

Patrick Henery Mulloy  
Bettendorf

Brandon Kent Nanke  
Cedar Rapids

Boyd Robert Netley  
Sioux City

Arren Nguyen  
Des Moines

Michael David Pokorney  
Chaaska, Minn.

Rachel Ann Potthoff  
Bettendorf

Blake Scott Pratt  
Sac City

Ryan Gregory Quid  
Fox River Grove, Ill.

Patricio Enrique Quiroga Cruz  
Valparaiso, Chile

Matthew Ryan Schultz  
Wildwood, Mo.

Michael John Schupbach  
Elgin

Johnathan Richard Seibert  
Waukon

Branton Robert Smith  
Ames

Colton David Taylor  
Ankeny

Andrew Duane Tribble  
Watertown, Minn.

Brian L. Van Utrecht  
New Sharon

** Curricula in Electrical Engineering**

Elsammani Elimam Ahmed  
Ames

Eric Arthur Arnold  
Wall Lake

Wyatt Gregory Brenneman  
Swisher

* Imran A. Butt  
Lahore, Pakistan

Ashor V. Chirackal  
Davenport

*** Daniel Norbert Congreve  
Bettendorf

* Joshua Kawika Ellis  
Cedar Rapids

Michael Ngoc Ho  
Peoria, Ill.

Brandon Allen Janssen  
Sibley

Brad Thomas Svend Jensen  
West Des Moines

Keith J. Johnson Jr.  
Saint Louis, Mo.

Josh D. Jordan  
Council Bluffs

Tyler Patrick Keeton  
Oswego, Ill.

* Eun Kyung Kim  
Pusan, South Korea

*** William John Klema  
Rochester, Minn.

Benjamin Thomas Kregel  
Milwaukee, Wis

Luke Isaac Lehman  
Glenwood

Peter de Boer Martinson  
Long Lake, Minn.

** Seun Guy Min  
Seoul, South Korea

Xau Moua  
Saint Paul, Minn.

Keng Gee Ng  
Kuala Lumpur, Malaysia

Duc H. Ong  
Davenport

Quyet C. Pham  
Davenport

Nicholas G. Ramstead  
Cedar Rapids

* Nathan Gerald Schara  
Jesup

Joshua Mark Sevcik  
Cedar Rapids

Alexander Ulris Sics  
Clarinida

Michelle Ean Gie Tan  
Petaling Jaya, Malaysia

Ananta Upadhyaya  
Kathmandu, Nepal

Milki Wakweya  
Cedar Rapids

** Curricula in Industrial Engineering**

Aaron M. Albus  
Le Mars

Sarvesh Viraj Anavkar  
Cedar Rapids

* Elizabeth Lee Baker  
Cedar Rapids

Allison Claire Bryant  
Saint Paul Park, Minn.

Timothy Richard Conley  
Overland Park, Kans.

Alexander Patrick Denz  
Plymouth, Minn.

Jennifer Anne Flammang  
Lawton

Greg F. Froehle  
Ankeny

Bari J. Greensphian  
Barrington, Ill.

* Timothy John Hill  
Carlisle

Khuan Tac Ho  
Des Moines

Brett Christopher Holland  

Steven Dean Holmstrom  
Inver Grove Heights, Minn.

Yee Gin Kok  
Kuala Lumpur, Malaysia

Adam Mark Mueller  
Broomfield, Colo.

Justin William Muenenberg  
West Des Moines

Chelsea Ann Peers  
Clive

Stephen Philip Richard  
Davenport

Aaron Sean Runge  
Houston, Tex.

Ryan Dennis Stien  
Newhall

Peter Samuel Stockslager  
Northbrook, Ill.

Austin David Sullivan  
Oelwein

James Addison Thompson  
Somersworth, N. H.

Jacob David Walsborski  
Urbanderale

Kyle R. Weimann  
Gurnee, Ill.

Wade M. White  
Cresco

** Curricula in Materials Engineering**

* Timothy Dale Barlow  
Arvada, Colo.

Jacob Paul Ecklund  
Iowa City

Rachel Ann Hawkins  
Hiawatha

John Lowell Larson  
Byron, Ill.

Nathan Louis Marzen  
Cedar Rapids

* Cum Laude

** Magna Cum Laude

*** Summa Cum Laude

† Honors Program

54
Curriculum in Mechanical Engineering

James Alexander Albrecht  Oakdale, Minn.
*** Jacob Warner Bell  Malvern
Jaime J. Benitez  Columbus Junction
Eric L. Bishop  Hubbard
* Craig Michael Bjorseth  Ames
*** Darren Allan Blum  Carroll
* Matthew David Britten  Dubuque
** Steve Allen Coon  Stew James Cristan  Hugo, Minn.
* Joshua Dean Cronbaugh  Belle Plaine
Sean Alexandre de Vitry  Bettendorf
Peter John Dimpfl  Downers Grove, Ill.
James Christopher Doser  Dubuque
Andrew David Dostal  Cedar Falls
Kaitlin Julia Faulds  Shoreview, Minn.
David Andrew Funni  OskaOsa
Alec James Hagberg  West Des Moines
* William John Hall  Omaha, Neb.
* Jeremy Michael Hansen  Alton
** Samuel Conrad Harting  Brandon
Andrew Harris Hathaway  Bettendorf
Jordan Cole Artes Haugland  Eldridge
** Bryce Loring Heitman  Williamsburg
Ryan Matthew Hinrichsen  Anamosa
Elliot James Hoff  Jewell
Thomas Gilmore Irwin  Bloomfield
Dylan Michael Jans  Reinbeck
* Logan Francis Jaynes  Hampshire, Ill.
Luke Alan Johnson  Marshalltown
Shane M. Johnson  Ames
Matthew Steven Jones  Rochester, Minn.
Bethany Jean Juhnke  Mason City
Jonathan Voon Lee Lam  Ipoh, Malaysia
Gregory James Langenfeld  Pella
* Nicholas Cornelius Langer  Saint Paul, Minn.
Andrew John Larson  Estherville
** Eric Otto Larson  Cedar Falls
Nathan D. Lincoln  Stockton
Marshall Robert Lohrenz  Plymouth, Minn.
Katherine Erin Lonergan  Bellevue, Neb.
* Kelvin Coronel Lozano  Farmington, Ill.
Nicholas Allen Lucas  Long Lake, Minn.
Peter de Boer Martinson  Dakota Dunes, S. Dak.
* Bryce Kiyoshi Yutaka Matsuo  Ames
Gabriel Sean McNunn  Dike
Anthony Patrick Merfeld  Dike
James Adler Michelson  Eden Prairie, Minn.
Justin William Miller  Cedar Rapids
*** Laura Denise Miller  Cedar Falls
John Alexander Miltenberger  Sergeant Bluff
*** Timothy Burkgren Morgan  Ames
† Honors Program
Wade Alan Nasheim  Johnston
Sean Michael Newton  Clive
Eric Christopher Nichols  Omaha, Neb.
Perry James Nichols  Cedar Rapids
Ryan Thomas Olson  Dows
* Amanda Kay Newendorp Owen  Cedar Falls
Tyler Parnell Ownby  Woodbury, Minn.
Kyle Duncan Parks  Omaha, Neb.
Jackson Norris Philby  RedOak
Emilio Pino Gallegos  Waterloo
Sergio Eduardo Pinon Vargas  Des Moines
** Brice Benjamin Pollock  Savage, Minn.
** Benjamín C. Potter  Slater
Jacob Robert Pratt  Iowa City
Kyle David Redfern  Cedar Falls
Collin Thomas Reuter  River Falls, Wis.
Evan Roos Rickels  Story City
Joshua Cole Ritchie  Prior Lake, Minn.
Kavilan Sadacharamani  Ames
Jeffrey David Sailor  Moville
Fernando Sanchez  Baytown, Tex.
Robert Joseph Scharfenkamp  Mount Ayr
Matthew Martin Schattgen  Saint Louis, Mo.
*** Justin Tyler Schultes  Templeton
* Logan Douglas Schultz  Rockford, Ill.
Babak Shadlu  Bettendorf
Kyle Jeffrey Silvey  Crescent
Adam Gary Sisko  Woodbury, Minn.
Benjamin Michael Sloan  San Marino, Calif.
Nicholas Alexander Slobidsky  Naperville, Ill.
Leah Marie Smith  Charleston, Ill.
** Cody James Sobotka  Mount Ayr
Ryan Donald Spindler  Rosemount, Minn.
Kevin Allen Thelen  Anita
Zachary John Thome  Raymond
Hao Gia Tran  Cedar Rapids
*** Grant Matthew Ubben  Aplington
Mitchell S. Van Erdewyk  Cedar Rapids
Clint William Van Steenis  Monroe
Clint A. Weinberg  Plainfield
* Aaron Richard Weinsenk  Bellevue
Jacob Michael Willett  Cedar Rapids
Colby Alan Wilson  Williamson
Sean Michael Wyley  Plymouth, Minn.
Danjin Zulic  Ankeny
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<tr>
<td>** Anna Page Claussen</td>
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<tr>
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<td>Construction Engineering and Liberal Arts and Sciences: Major in Spanish</td>
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<td>Patrick Joseph Nelson</td>
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<tr>
<td>Mechanical Engineering and Liberal Arts and Sciences: Major in Spanish</td>
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<tr>
<td>** Muhammad Akif Rahim</td>
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<tr>
<td>Electrical Engineering and Liberal Arts and Sciences: Major in Economics</td>
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## Candidates for Degrees from the College of Human Sciences

### Bachelor of Science

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

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<td>Kendra J. Boswell</td>
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<td>Lindsay Rae Madson</td>
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<td>Van Meter</td>
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#### Curriculum in Child, Adult, and Family Services

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#### Curriculum in Culinary Science

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#### Curriculum in Dietetics

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<td>Westside</td>
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<td>Stephanie Kay Konopka</td>
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* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
### Curriculum in Early Childhood Education

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<td>Meagan Mae Clark</td>
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<td>Molly Kathryn Davis</td>
<td>Marion</td>
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<td>Christine Elizabeth Gage</td>
<td>Hinckley, Ill.</td>
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<td>Melody LeAnne Hocke</td>
<td>Muscatine</td>
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<td>Julie Ann Hornickel</td>
<td>Cedar Rapids</td>
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<td>Jamie Michelle Linde</td>
<td>Westside</td>
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<td>Ashley Marie Pyle</td>
<td>Baxter</td>
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### Curriculum in Elementary Education

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<td>Tammy Lorrainey Bowers</td>
<td>Fort Dodge</td>
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<tr>
<td>Amanda Sue Bradberry</td>
<td>Kearney, Mo.</td>
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<tr>
<td>Karrin Bethany Braun</td>
<td>Altoona</td>
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<tr>
<td>Patrick James Brown</td>
<td>Saint Paul, Minn.</td>
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### Curriculum in Family and Consumer Sciences Education and Studies

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### Curriculum in Family Finance, Housing, and Policy

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### Curriculum in Food Science

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### Curriculum in Health and Human Performance

| * | Grace Kathryn Thornton | Council Bluffs | Benjamin Jacob Whittlesey | Cedar Rapids |

### Curriculum in Hotel, Restaurant, and Institution Management

| Brittany Noelle Ancona | Turner, Oreg. | Katherine Elizabeth Kramp | Eden Prairie, Minn. |
| Shinyong Ann | Ames | ** | ** |
| Rachel Ida Becker | Niles, Ill. | Mallory Kay Meylor | Cherokee |
| Alison Devon Burns | Johnston | James A. Nunamaker | Chicago, Ill. |
| David L. Dippold | Belle Mead, N.J. | ** | ** |
| *** | Ann Elizabeth Dorweiler | Urbandale | Abigail E. Nurre | West Des Moines |
| Carrie Elizabeth Elsbecker | Sioux City | *** | *** |
| Mona Delasi France | Ghana, West Africa | Margaret Frances Sander | Carroll |
| Sarah Leann Hodgson | Le Mars | Chase Thomas Steinkamp | Breda |
| Batia Angelie B. Koresh | Cedar Rapids | Alison Jo Yakich | Broomfield, Colo. |

### Curriculum in Kinesiology and Health

| Lucas James Agrimson | Cedar Rapids | * | Lacey Blue Johnson | Nevada |
| Courtlyne Renee Barnes | Adel | * | Sydni Elizabeth Jones | Enid, Okla. |
| Kara Elizabeth Behrens | Seafood, Del. | Kara Kay Kistner | Sioux City |
| ** | Lindsey Mae Behrens | Council Bluffs | Benjamin Neil Knauss | Logan |
| Kelli Ann Beyer | Holstein | Jason A. Misra | Ames |
| Brice Aaron Boeckholt | Burt | Shawn Michael Mobley | Grayslake, Ill. |
| Astrid Alejandra Cartagena | Arecibo, Puerto Rico | Christopher Dale Moen | Fairbanks |
| Devin Tyler Cory | Scottsdale, Ariz. | Bobbi Kay Morgan | Kelley |
| Erin Michelle Curtis | Saint Charles, Mo. | Rachel Ann Mugge | Cleghorn |
| Megan Maureen Frandsen | Eden Prairie, Minn. | Daniel Kenneth Noyce | West Des Moines |
| * | Jordan Lee Gilmore | Ames | Ekpen Osemudiamen Okoruwa | ** |
| Susan Marie Hemann | Rochester, Minn. | **† | Sarah Marie Pattee | Cedar Falls |
| Candace Jo Horton | Indianola | Bobbi Jo Beth Perry | Waucoma |
| Michelle Dawn Gillotti Howard | Johnston | BenjaminJames Salley | Belvidere, Ill. |
| Kali Jane Hunziker | Cresco | Aly Trung Tran | Sioux City |
| Molly May Johanson | Davenport | Courtney Rae Van Hemert | Ogden |
| Christian Henrik Johansson | Gothenburg, Sweden | ** | Lindsay Renae Weber | Waterloo |
| | | | John Michael Wells | Des Moines |

### Curriculum in Nutritional Science

| * | Megan Nicole Barnes | Salt Lake City, Utah |

### Multiple Curricula

| Amy Michelle Dennis | Sioux City | Elementary Education and Animal Ecology | ** | Cum Laude |

* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
CANDIDATES FOR DEGREES
FROM THE COLLEGE OF LIBERAL ARTS AND SCIENCES

BACHELOR OF ARTS
Curriculum in Liberal Arts and Sciences

Major in Advertising

Joseph John Dillon Lisbon
Taylor Nichole Dunn Des Moines
Gwendolyn Ariana Dyrlund Cedar Rapids
James Sean Farley Jr. Rock Island, Ill.
Stephanie Iowa Fox Fort Dodge
Zachary Walter Gilbert Earham
Jolene Patricia Haman Swisher

* Cade Benjiman Ingle Runnells
* Amanda Dale Mellum Fairfield
* Matthew Lloyd Nail West Des Moines
* Alex Eugene Rich Urbandale
* Korey Rose Smith Marshalltown
* Kelsey K. Sturm Manilla
* Emi Jo Wubben Buffalo Center

Major in Anthropology

Dana Albert Brown Unionville, Mo.

Major in Chemistry

* Adam Gregory Shroyer Cedar Rapids

Major in Communication Studies

Brittany Leigh Anderson Marathon
Austen Dwayne Arnaud Ames
Layna K. Bertelsen Glenwood
Mary Rosal Buenaventura Grimes
Keeyon Ahmad Carter
Amanda Ruth Eastin Ankeny
Collin C. Franklin Simi Valley, Calif.
Aerika LeeAnn Haeseli Saint Charles, Ill.
Kyle Joseph Helling Marion
Victoria Aleisha Henson Leavenworth, Kans.
Laura Andrea Herke Graettinger
Ali Marie Holland Norwalk
Piper L. Kanne Carroll

Alison Mavis Lacey Canberra, Australia
Emily Jo Lewis Des Moines
Kirk Wallace Nesset Ames
Charles Franklin Phillips Des Moines
Jennifer Jane Quandt Westside
Jessica Nicole Schmidt Cottage Grove, Minn.
Sarah Ann Swedberg Urbandale
David William Thompson Story City
Nicholas Alan Wineland
Kelly Marie Witmer Maxwell
Arnold Alto Woods III Des Moines
Nicole D. Wust Rockford

Major in English

John D. Aderton Rochester, Minn.
Katelyn Ann Buckton Cumming
Joseph E. Buric Hampshire, Ill.
Jessica Cakrasenjaya Sergeant Bluff
Jenna Rae Crabb Sac City
Nami Marie Crawford Des Moines

* Jennifer Nicole Hodapp Allemain
* Gina Lynn Hopson Henderson, Tex.
* Jera Lee Jensen Story City
* Joanie Lynn Jordan Madrid
* Melissa Marie Marshall
* Daniel James Menoni Oak Park, Ill.
* Jessica A. Neal Grimes
* Hayley Elizabeth Ann Scheuring Council Bluffs

* Cum Laude
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*** Summa Cum Laude
† Honors Program
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† Honors Program
**Major in Philosophy**

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<td>Jeremy Keith Schulz</td>
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**Major in Political Science**

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**Major in Russian Studies**

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**Major in Sociology**

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**Major in Spanish**

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**Major in World Languages and Cultures (German)**

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**Major in World Languages and Cultures (Spanish)**

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<td>Leon</td>
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**Multiple Majors**

Johnny Gonzalo Alcivar  
QUITO, ECUADOR  
Political Science and International Studies

* Alec Cole Bridenstine  
ANKENY  
Political Science and Environmental Studies

Adam John Cirkel  
MARION  
Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology

Erin Mary Enquist  
FORT DODGE  
English and Communication Studies

Andrew C. Feller  
AMES  
Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology

Frances Jean Fielder  
WEST DES MOINES  
Communication Studies and Speech Communication

** David James Hagerty  
MUSCATINE  
Political Science and History

Kenneth Otto Hansen  
AUDUBON  
Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology

Kenneth Wayne Johnson  
PANORA  
Philosophy and Psychology

** Kendra Angela Kavan  
WAHOO, NEB.  
English and Technical Communication

Jacob Thomas Killip  
ANKENY  
Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology

Kristofer Endre Kish  
DAVENPORT  
Advertising and Psychology

Jacob Michael McLaughlin  
MUSCATINE  
Religious Studies and English

** † David Carlton Morrison  
TRAER  
Political Science and International Studies

** † Lisa Marie Putz  
INDIANOLA  
Spanish and International Studies

* Kathryn Jean Reinhart  
CEDAR RAPIDS  
Linguistics and Psychology

Lindsay Melba Roach  
AMES  
Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology

John C. Sappington  
AMES  
Interdisciplinary Studies (Criminology and Criminal Justice), Psychology, and Sociology

Natalie Nicole Scarpino  
DES MOINES  
Women's Studies and Communication Studies

* Jonathon Loren Schroeder  
SERGEANT BLUFF  
Political Science and Interdisciplinary Studies (Criminology and Criminal Justice)

Andrew Ryan Steffen  
ANKENY  
Political Science and Environmental Studies

Ryan Jeffory Thomas  
CLINTON  
Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology

Jennica N. Vest  
Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology

** † Amanda Christine Willemsen  
CHASKA, MINN.  
French and International Studies

David Kenneth Wise  
CEDAR FALLS  
Journalism and Mass Communication and Environmental Studies

**† David Carlton Morrison  
TRAER  
Political Science and International Studies

** † Lisa Marie Putz  
INDIANOLA  
Spanish and International Studies

* Kathryn Jean Reinhart  
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CHASKA, MINN.  
French and International Studies

David Kenneth Wise  
CEDAR FALLS  
Journalism and Mass Communication and Environmental Studies

---

** Bachelor of Liberal Studies **

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**Curriculum in Liberal Studies**

Alex Alvarez  
League City, Tex.

Samuel Joseph Anker  
Winterset

Craig Laverne Bowers  
Jesup

Cynnamon Kandace Brown  
West Des Moines

Matthew Allen Campbell  
Albia

Joyce Ann Carbins  
Chicago, Ill.

Sterling Cristen-Rosalia Clink  
Story City

Courtney Marie Cross  
Des Moines

Randall Joseph Doran II  
Harlan

Cole Joshua Eischeid  
Glidden

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* Cum Laude  
** Magna Cum Laude  
*** Summa Cum Laude  
† Honors Program
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**Bachelor of Music**

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<td>Omar Alejandro Aleman</td>
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<tr>
<td>Kevin Jacob Muehlenthaler</td>
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<tr>
<td>Jordan Mark Smellie</td>
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<td>Karina Aileen Snider</td>
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**Bachelor of Science**

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<tr>
<td>Ian Patrick Dallas</td>
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<tr>
<td>Eric Leonard Petrowiak</td>
<td>Fairmont, Minn.</td>
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<tr>
<td>Colin Edward Ryan</td>
<td>Golden Valley, Minn.</td>
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**Bachelor of Science**

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<td>James D. Benson</td>
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<tr>
<td>Melissa Marie Loughman</td>
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<td>Jennifer Jo Ramthun</td>
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**Major in Anthropology**

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<td>Kyle Bradley Benning</td>
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<tr>
<td>Ji-An Chooi</td>
<td>Georgetown, Malaysia</td>
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<tr>
<td>Joshua Griffin Rivenbark</td>
<td>Story City</td>
</tr>
<tr>
<td>Lezhi Wu</td>
<td>Changsha, China</td>
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</tbody>
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* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
### Major in Bioinformatics and Computational Biology

| **| Jessica Renee Kirkpatrick | Clive | Akul Singhana | Indore, India |

### Major in Biology

| * | Sarah Dawn Caltrider | Colo | Eric Scott Hoffmeyer | Sioux City |
| * | Lexie Leanne Cope | Hornick | Eric Todd Kitzmann | Bettendorf |
| † | Adam Lee Cox | Ottumwa | Audra Leigh Lloyd | Nevada |
| **† | Tanner James England | Adel | Katie Renee Saveraid | Waukegan, Ill. |

### Major in Chemistry

| * | Maria Katherine Bock | Cedar Rapids | Faten Sayel Hleihel | Ankeny |
| * | Travis John Cordes | Omaha, Neb. | Zachary Lee Martin | Muscatine |
| | Jordan L. Francik | Cedar Falls | Ezra Louis Shields | Murray |
| | Ashley Nicole Geesman | Mason City | John Andrew Woodford | Omaha, Neb. |
| * | Kevin Michael Heggen | Ames |

### Major in Computer Science

| ** | Jordan W. Cook | Ames | Matthew Steven Lindley | Waterloo |
| ** | Minh Nhat Dong | Hanoi, Vietnam | Stephen Andrew Mueller | Dousman, Wis. |
| ** | David Ray Godfrey | Marshalltown | Andrew C. Pauli | Rock Island, Ill. |
| ** | Chung Sik Lee | Seoul, South Korea |

### Major in Economics

| | Ahmad Bakhtiar Bin Abd Razak | Kuala Lumpur, Malaysia |
| | Benjamin G. Johnson | Joliet, Ill. |
| | Jaemyung Kim | Daejeon, Korea |

### Major in English

| | Laura Elizabeth Roberts | Elkader |
| | Cory James Skeers | Cedar Rapids |
| | Kristine Therese Stejskal | Oelwein |

### Major in Genetics

| ** | Marah Clarice Hoel | Rochester, Minn. |
| ** | Jeffrey Michael Krupkowski | Naperville, Ill. |
| **† | David Carlton Morrison | Traer |
| *** | Susan Elaine Wagner | Pleasant Hill |

### Major in Geology

| | Kurt Thomas Pisarik | Mount Vernon |
| | Kaylee Lynn Richter | Granger |
| | Kyle Jeffrey Scott | Urbandale |

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* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
## Major in History

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<tr>
<td>Trevor Arganbright</td>
<td>Panora</td>
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<td>Ryan Dillon Burk</td>
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<td>Michael Lee Conrad</td>
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<td>Joshua Lee Henry</td>
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<td>Amy Jo Higgins</td>
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<tr>
<td>Daniela Leo</td>
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<tr>
<td>** Elise Regina Manthe</td>
<td>Lancaster, Wis.</td>
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<tr>
<td>* Thomas William Otting</td>
<td>Cedar Falls</td>
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<tr>
<td>* Kyle James Reeping</td>
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<tr>
<td>Brian Tyler Shipley Jr.</td>
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<td>Todd Leland Swalin</td>
<td>Eagle Grove</td>
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<tr>
<td>Rachel Marie Terry</td>
<td>Council Bluffs</td>
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## Major in Journalism and Mass Communication

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<tr>
<td>*** Sarah Constance Bougie</td>
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<tr>
<td>Anna Marie Gilliam</td>
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<td>Carly J. Kennedy</td>
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<td>Kelsi Rachelle Lindemann</td>
<td>Spencer</td>
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<td>Ashley A. Metz</td>
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<td>* Emma Lauren Reed</td>
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<td>** Melanie L. Tham</td>
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<tr>
<td>Rebecca Lyn Winter</td>
<td>Buffalo Center</td>
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<tr>
<td>* Robert Adam Wormley</td>
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## Major in Mathematics

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<td>Mallory Kay Kane</td>
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<tr>
<td>Paul Robert Perkins</td>
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<td>Justin Toundshend Smith</td>
<td>Eden Prairie, Minn.</td>
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<td>Mark Raymond West</td>
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## Major in Meteorology

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<tr>
<td>Ryan G. Alliss</td>
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<td>Andrew Harold Mair</td>
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<tr>
<td>** Shannon Leigh Rabideau</td>
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## Major in Physics

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<td>Peter John Dimpfl</td>
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<td>* Anthony Charles Savio</td>
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<td>Adam D. Westrum</td>
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## Major in Psychology

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<td>Blaine Marie Conrad</td>
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<tr>
<td>Zachary Ryan Cross</td>
<td>Davenport</td>
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<tr>
<td>* Nathalie Claire Dubois</td>
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<tr>
<td>* Bret Mabrey Wojcik</td>
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* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
### Major in Sociology

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### Major in Statistics

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<td>Yifan Zhao</td>
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### Major in Women’s Studies

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<td>Tabitha Ashley Gould</td>
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<td>Ajka Sehic</td>
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<tr>
<td>Katherine Jane McCune</td>
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### Multiple Curricula and Majors

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<tr>
<td>Nathan Nye Bond</td>
<td>Environmental Science and Political Science</td>
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<td>Mary Katherine Runkel</td>
<td>English and Environmental Studies</td>
<td>Des Moines</td>
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<tr>
<td>Angela LaRae Brones</td>
<td>Sociology and Interdisciplinary Studies</td>
<td>Marshalltown</td>
<td>Margarita Saldaña</td>
<td>Storm Lake</td>
<td>Storm Lake</td>
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<td></td>
<td>(Criminology and Criminal Justice)</td>
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<tr>
<td>Spencer Jared Herbert</td>
<td>Environmental Science and Agronomy</td>
<td>Lake Park</td>
<td>Theodore Ryan Shaffer</td>
<td>Blue Earth, Minn.</td>
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<td>Mathematics and Economics</td>
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<td>*† Nicole C. Holm</td>
<td>Psychology and Spanish</td>
<td>Shoreview, Minn.</td>
<td>Tessa Elizabeth Sklenar</td>
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<td>Gary Sze Xiang Teo</td>
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<tr>
<td>*** Joshua Anthony LaVille</td>
<td>Marshalltown</td>
<td>Marshalltown</td>
<td>*Feven Habtom Tewelde</td>
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<td>* Jenna Renee Nikkel</td>
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<td>Ellen Bailey White</td>
<td>West Des Moines</td>
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<td>Anthropology and Environmental Studies</td>
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<tr>
<td>* Janet Sue Roberts</td>
<td>Eldora</td>
<td>Eldora</td>
<td>David Carlin Zaback</td>
<td>Lamberville, N.J.</td>
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<td>Technical Communication and English</td>
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<td>Anthropology and Environmental Studies</td>
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<tr>
<td>*** Mallorie Ann Rooney</td>
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<td>Chelsea Denae Zigtema</td>
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<td>Journalism and Mass Communication and Psychology</td>
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<td>Sociology and Political Science</td>
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</tbody>
</table>

* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
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 2010-2011 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 enjoyed special tours and free food on campus; the Senior Package, a gift set that included commemorative Iowa State items; Grad Breakfast, a chance for seniors to relax and enjoy a meal served by ISU faculty and staff; and the Senior Sendoff, 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.

Each year, the graduating class also selects a gift to donate to the University. Seniors have the option to vote near the end of the spring semester.

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

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

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

**2010-2011 Senior Class Council Leadership**

President: MaryBeth Konkowski
Vice-President: Mitch McDermott

Council Members:

James Cornelius
Ashley Formanek
Alyssa Howlett
Brad Kuxhausen
Alex McBride
Matthew McLaughlin
Hayley Osenbaugh
Terese Ragalle
Alex Ryan
Candidates for Commissions
The following students will be commissioned in the branch of service indicated:

United States Army

Joshua L. Henry
Andrew W. Kohlsdorf
Andrew L. Ogle *
Justin T. Peterson
Stephanie M. Rivera
Eric R. Thorsbakken *

United States Navy

Rory C. Keel
Ian T. McKechnie
Jonathan D. Miske *
Joshua J. Morrow
Andrew J. Nunnikhoven
Aaron S. Runge
Michael G. Runyon

United States Air Force

Brandon T. Baccam
Kyle J. Motl

* Summer Graduate
Summer Commencement

Official List of Degrees
Conferrred August 7, 2010

IOWA STATE UNIVERSITY
CANDIDATES FOR DEGREES FROM THE GRADUATE COLLEGE

DOCTOR OF PHILOSOPHY

Sherif Elsayed Saad Abdelsalam Soliman Elaasy  
Cairo, Egypt
B.C.E., Cairo University;  
M.S., Ibid.  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Geotechnical Engineering)  
Dissertation: Behavior characterization and development of LRFD resistance factors for axially-loaded steel piles in bridge foundations

Troy Donald Abel  
Bettendorf
B.S., Valparaiso University;  
M.F.A., Iowa State University  
Department: Art and Design  
Major: Human Computer Interaction  
Dissertation: Beyond usability: an alternative usability evaluation method, PUT-Q2

Babatunde Oluwakayode Abidoye  
West Des Moines
B.Sc., University of Ilorin  
Department: Economics  
Major: Economics  
Dissertation: Bayesian inference in modeling recreation demand

Yuichiro Amekawa  
Hiroshima City, Japan
B.A., Osaka University of Foreign Studies;  
M.A., University of Oregon  
Department: Sociology  
Majors: Rural Sociology and Sustainable Agriculture  
Dissertation: Towards sustainable agriculture in the developing world: Theoretical perspectives and empirical insights

Kim Arvidsson  
Lund, Sweden
Fil. Mag., Lunds University  
Department: Physics and Astronomy  
Major: Astrophysics  
Dissertation: Observational studies of the structure, content and environment of intermediate and high-mass star-forming regions

Ross Eric Behling  
Madison, Wis.  
B.S., Northwestern University  
Department: Chemical and Biological Engineering  
Major: Chemical Engineering  
Dissertation: Hierarchically ordered montmorillonite block copolymer brushes

Subhra Bhattacharjee  
Kolkata, India
B.Sc., University of Calcutta;  
M.A., Jawaharlal Nehru University;  
M.Phil., Ibid.  
Department: Economics  
Major: Economics  
Dissertation: Three essays in economics of the environment

Tauqir Bibi  
Ames
B.Sc., University of Balochistan;  
M.Sc., Ibid.;  
M.S., Iowa State University  
Department: Curriculum and Instruction  
Major: Education  
Dissertation: Analysis of cognitive tutor geometry curriculum

Monisankar Bishnu  
Ames
B.A., Jadavpur University;  
M.Sc., Indian Statistical Institute  
Department: Economics  
Major: Economics  
Dissertation: Essays on optimal allocation of resources by governments

Anne Y. Branscum  
Cape Girardeau, Mo.  
B.S., Southeast Missouri State University;  
M.A., Ibid.  
Department: Human Development and Family Studies  
Major: Human Development and Family Studies  
Dissertation: Stress and coping model for family caregivers of older adults

§  Research Excellence Award  
†† Teaching Excellence Award
Ronald D. Bremner  
**Cedar Falls**  
B.S., Iowa State University;  
B.S., Ibid.;  
M.S., Ibid.  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Dissertation: Rapid optimization of interior permanent magnet (IPM) machines using the response surface method and dimensionless parameters

Weiguo Cai  
**Tianchang, China**  
B.Ag., China Agricultural University;  
M.Sc., Ibid.;  
M.S., Iowa State University  
Departments: Animal Science and Statistics  
Majors: Animal Breeding (Quantitative Genetics) and Statistics  
Dissertation: Quantitative genetic and statistical aspects of feed efficiency by analysis of the selection experiment for residual feed intake in Yorkshire pigs

Yuankun Cai  
**Tianjin, China**  
B.S., Nankai University;  
M.S., Iowa State University  
Department: Physics and Astronomy  
Major: Condensed Matter Physics  
Dissertation: Organic light emitting diodes (OLEDs) and OLED-based structurally integrated optical sensors

Amy Elizabeth Cantazaro  
**Minnetonka, Minn.**  
B.S., University of Minnesota - Twin Cities;  
M.S., Iowa State University  
Department: Psychology  
Major: Psychology (Counseling Psychology)  
Dissertation: Predicting help-seeking attitudes and intentions in a Latino/a sample

Christopher Holden Chandler  
**Orange, Conn.**  
B.A., Cornell University  
Department: Ecology, Evolution and Organismal Biology  
Major: Ecology and Evolutionary Biology  
Dissertation: Microevolution of sex determination mechanisms: Case studies in Caenorhabditis elegans

Amina Karim Charania  
**Mumbai, India**  
M.Sc., University of Mumbai;  
M.S., Iowa State University  
Department: Curriculum and Instruction  
Major: Education (Curriculum and Instructional Technology)  
Dissertation: Preparing future teachers for virtual schooling: Assessing their preconceptions and competence

Yi-Lin Cheng  
**Yian, Taiwan**  
B.S., Tamkang University;  
M.S., Ibid.  
Department: Mathematics  
Major: Mathematics  
Dissertation: On hopf algebras of dimension 4p

Jong Myong Choi  
**Kangnung, South Korea**  
B.Eng., Ajou University;  
M.S., Iowa State University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Dissertation: A selective sampling method for imbalanced data learning on support vector machines

Gloria Jean Frolek Clark  
**Adel**  
B.S., University of North Dakota-Grand Forks;  
M.S., Iowa State University  
Department: Human Development and Family Studies  
Major: Human Development and Family Studies (Early Childhood Special Education)  
Dissertation: The relationship between handwriting, reading, fine motor and visual-motor skills in kindergarteners

Neha J. Deshpande  
**Mumbia, India**  
B.A., University of Mumbai;  
M.A., Tata Institute of Social Sciences  
Department: Human Development and Family Studies  
Major: Human Development and Family Studies  
Dissertation: Understanding health in very late adulthood: The role of personal social and community-care resources

Breanne Marie Devlin  
**Renton, Wash.**  
B.S., Central Washington University;  
M.S., Ibid.  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Family and Consumer Sciences  
Dissertation: Effects of students' multiple intelligences on participation rate of course components in a blended secondary family and consumer sciences course

§ Research Excellence Award  
†† Teaching Excellence Award
Teske Renee Drake  Burlington
B.A., University of Northern Iowa;
M.S., Iowa State University
Department: Human Development and
Family Studies
Major: Human Development and Family
Studies
Dissertation: “The God of all comfort”: Experiences from a biblically-based
perinatal loss support group.

Wei Du  Beijing, China
B.E., Tsinghua University;
M.E., Beihang University
Department: Aerospace Engineering
Major: Aerospace Engineering
Dissertation: Dynamic modeling and ascent flight control of Ares-I Crew Launch Vehicle

Stacy Lynn Stanley Duncan  Asheville, N.C.
B.S., Greensboro College;
M.A., University of North Carolina - Greensboro
Department: Veterinary Microbiology and Preventive Medicine
Major: Bioinformatics and Computational Biology
Dissertation: Characterization of the signal sequence binding domain of Ffh by genetics and comparative analysis

Zhengqing Gan  Jiazing, China
B.Sc., Fudan University;
M.S., Iowa State University
Department: Physics and Astronomy
Major: Condensed Matter Physics
Dissertation: Spectrally narrowed leaky waveguide edge emission and transient electroluminescent dynamics of OLEDs

Jose Arnaldo Gerde  Acevedo, Argentina
Licen., Universidad Catolica Argentina;
M.S., Iowa State University
Department: Food Science and Human Nutrition
Majors: Food Science and Technology and Biorenewable Resources and Technology
Dissertation: Protective effects of polydimethylsiloxane in soybean oil at frying temperatures

Katherine Nicole Gibson-Corley  Cumming
B.A., St. Olaf College;
D.V.M., Iowa State University
Department: Veterinary Pathology
Major: Veterinary Pathology
Dissertation: Understanding the role of B cells during Leishmania amazonensis infection

Daniel B. Goldman  Pittsburgh, Pa.
B.A., Cornell University
M.A., University of Richmond
Department: Psychology
Major: Psychology (Counseling Psychology)
Dissertation: Gender role orientation and the role of empathy in interventions promoting the development of interpersonal forgiveness

Carlos Cecilio Gongora-Canul  Pomuch, Mexico
Ag.Ing., Universidad Autonoma Chapingo;
M.S., Colegio Postgraduados
Department: Plant Pathology
Major: Plant Pathology
Dissertation: Epidemiological studies on the infection process and symptom expression of soybean sudden death syndrome

Samuel Scott Graham  Ankeny
B.A., Eckerd College;
M.A., Iowa State University
Department: English
Major: Rhetoric and Professional Communication
Dissertation: Rhetorics of pain: Agency and regulation in the medical-industrial complex

Mary Kate Harrison  Tampa, Fla.
B.S., University of Montevallo;
M.S., Florida State University
Department: Apparel, Educational Studies and Hospitality Management
Major: Foodservice and Lodging Management
Dissertation: Work/life practices and the recruitment and retention of large school districts’ foodservice professionals

Jun He  Hangzhou, China
B.E., Zhejiang University
M.S., Ibid.
Department: Electrical and Computer Engineering
Major: Electrical Engineering
Dissertation: Analyses and design strategies for fundamental enabling building blocks: Dynamic comparators, voltage references and on-die temperature sensors

Benjamin Clement Herman  Centerville
B.S., Iowa State University;
M.S., University of Idaho;
M.A.T., Iowa State University
Department: Curriculum and Instruction
Major: Education
Dissertation: Teaching the nature of science: Practices and associated factors
§ Fu-Gang Hu
Nanchang, China
B.E., Xidian University
M.E., Ibid.
Department: Electrical and Computer Engineering
Major: Electrical Engineering
Dissertation: Integral equation analysis of electromagnetic wave propagation in periodic structure and error analysis of various basis functions in projection of plane waves

Jeong-Sun Hwang
Seoul, South Korea
B.S., Kyung Hee University;
M.S., Ibid.;
M.S., University of Minnesota - Minneapolis
Department: Physics and Astronomy
Major: Astrophysics
Dissertation: Models of galaxy collisions in Stephan's Quintet and other interacting systems

Asif Imran
Dhaka, Bangladesh
B.A., Grinnell College
Department: Physics and Astronomy
Major: Astrophysics
Dissertation: Analysis of variable VHE gamma-ray emission from the hard spectrum blazer 1ES 1218+304

†† Forest Isaac Isbell
Vinton
B.S., University of Northern Iowa
Department: Ecology, Evolution and Organismal Biology
Major: Ecology and Evolutionary Biology
Dissertation: Processes that influence biodiversity, ecosystem functioning, and stability in grasslands

Dimitra Lynette Jackson
Pine Bluff, Ark.
B.S., Univ of Arkansas - Pine Bluff;
M.Ed., Iowa State University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Leadership)
Dissertation: Transfer students in STEM majors: Gender differences in the socialization factors that influence academic and social adjustment

Yi Jia
Dengzhou, China
B.E., Chongqing University;
M.E., Ibid.
Department: Genetics, Development and Cell Biology
Major: Plant Biology
Dissertation: Analysis of differences in gene expression and the genetic and epigenetic regulation of transcript accumulation in maize

Jing Jin
Huzhou, China
B.S., Zhejiang University
Department: Plant Pathology
Major: Molecular, Cellular and Developmental Biology
Dissertation: Functional characterization of Arabidopsis genes changing expression during cyst nematode Heterodera schachtii infection

Priyanka Jindal
New Delhi, India
B.Tech., Indian Institute of Technology – Bombay;
M.S., Purdue University;
M.S., University of Chicago
Department: Geological and Atmospheric Sciences
Major: Environmental Science
Dissertation: A study of the groundwater travel time distribution at a rural watershed in Iowa: A systems theory approach to groundwater flow analysis

†† Ryan Robert Kelly
Altoona
B.A., University of Iowa
M.S., Iowa State University
Department: Curriculum and Instruction
Major: Education
Dissertation: Discourse of construction: A look at how secondary reading preservice teachers conceptualize their teaching

Julia E. M. Kidwell
Plymouth, Minn.
B.A., University of St. Thomas;
M.S., Iowa State University
Department: Psychology
Major: Psychology (Counseling Psychology)
Dissertation: Exploring the relationship between religious commitment and forgiveness through quantitative and qualitative study

†† Bongkeun Kim
Ames
B.S., Seoul National University
Department: Chemistry
Major: Physical Chemistry
Dissertation: Calculations of protein-protein interactions with the fast multipole method

Sang-Jin Kim
Seoul, South Korea
B.S., Korea University
Department: Genetics, Development and Cell Biology
Major: Genetics
Dissertation: Vacuolar trafficking and vesicle fusion machineries at the Arabidopsis trans-Golgi network

§ Research Excellence Award
† † Teaching Excellence Award
Elizabeth Kleiman  
Fairfax
B.Sc., Ben-Gurion University of Negev
M.S., Iowa State University
Departments: Mathematics and Computer Science
Majors: Mathematics and Computer Science
Dissertation: High Performance Computing techniques for attacking reduced version of AES using XL and XSL methods

†† Dimitrios Kontogiannis  
Ames
B.Sc., University of Athens
Department: Mathematics
Major: Applied Mathematics
Dissertation: Homogenization problems in random media

Venkat Kumar Krishnan  
Coimbatore, India
B.Eng., Anna University;
M.S., Iowa State University
Department: Electrical and Computer Engineering
Major: Electrical Engineering
Dissertation: Efficient processing of system scenarios in statistical and machine learning studies for power system operational and investment planning

Xianyan Kuang  
Taihe, China
M.Agron., China Agricultural University
Department: Genetics, Development and Cell Biology
Major: Genetics
Dissertation: Studies of site-specific DNA double strand break repair in plants

Moses Michael Langley  
Iowa City
B.S., Iowa State University;
M.S., Ibid.
Department: Psychology
Major: Psychology
Dissertation: An event-related potential investigation of the neural representations that support familiarity-based picture recognition

Po-Heng Lee  
Toucheng, Taiwan
B.Sc., National Ilan University;
M.Sc., National Chiao Tung University
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Environmental Engineering)
Dissertation: Syngas fermentation to ethanol using innovative hollow fiber membrane

Diane Evelyn Lewis-Goldstein  
Burbank, Calif.
B.A., University of California - Santa Cruz;
B.S., California State University – Northridge;
M.S., Ibid.
Department: Apparel, Educational Studies and Hospitality Management
Major: Family and Consumer Sciences
Dissertation: Outcomes of student participation in apparel construction/sewing laboratory classes in southern California community colleges

Ming Li  
Ninjing, China
B.Sc., Xiamen University;
Ph.D., Iowa State University;
M.S., Ibid.
Department: Statistics
Major: Statistics
Dissertation: New methods for statistical modeling and analysis of nondestructive evaluation data

Kun Liang  
Ames
B.Eng., Tsinghua University;
M.Sc., Ibid.;
M.S., Iowa State University
Department: Statistics
Major: Statistics
Dissertation: Hidden Markov models for simultaneous testing of multiple gene sets and adaptive and dynamic adaptive procedures for false discovery rate control and estimation

Feng Long  
Shanghai, China
B.S., Huazhong Agricultural University;
M.S., Ibid.
Department: Physics and Astronomy
Major: Molecular, Cellular and Developmental Biology
Dissertation: Structural and functional study of multidrug transporters

Long Long  
Jingzhou, China
B.S., Huazhong University of Science and Technology;
M.S., Beijing University
Department: Electrical and Computer Engineering
Major: Computer Engineering
Dissertation: On traffic grooming and survivability in WDM optical networks

†† Kristin Ann Lowry  
Pittsburgh, Pa.
B.S., University of Pittsburgh
Department: Kinesiology
Major: Kinesiology (Biological Basis of Physical Activity)
Dissertation: Age - and speed-related differences in walking smoothness

§ Research Excellence Award
†† Teaching Excellence Award
†† Chun Lu
B.S., Beijing Normal University
Department: Chemistry
Major: Organic Chemistry
Dissertation: Synthesis of heterocycles:
Versatile aryne annulations via Michael
addition, [3+2] cycloaddition, and
palladium catalysis

Jie Ma
Xi’an, China
B.Sc., University of Science and Technology of China
Department: Physics and Astronomy
Major: Condensed Matter Physics
Dissertation: Neutron scattering study of charge-ordering in \( R_{1/3}Sr_{2/3}FeO_3 \) (\( R = \text{La, Pr, Nd, Sm, and Y} \))

Sesha Chalapthi Madireddi
Saint Charles, Mo.
Dipl., State Board Technical Training;
M.S., Washington University
Department: Materials Science and Engineering
Major: Materials Science and Engineering
Dissertation: Role of extrinsic factors in utilizing the Giant Magnetocaloric Effect on materials: Frequency and time dependence

†† Jacob C. Manske
Milwaukee, Wis.
B.S., Marquette University
Department: Mathematics
Major: Mathematics
Dissertation: Coloring and extremal problems in combinatorics

Sally M. McIntyre
Bemidji, Minn.
B.A., Concordia College
Department: Chemistry
Major: Analytical Chemistry
Dissertation: Investigations into the origins of polyatomic ions in inductively coupled plasma-mass spectrometry

Luisa Menapace
Tassullo, Italy
Laurea., Universita di Padova Laurea;
Spec., Universita Cattolica del Sacro Cuore
Department: Economics
Major: Economics
Dissertation: Geographical indications and quality promotion in food and agricultural markets: domestic and international issues

†† Fernando Miranda-Mendoza
Morelia, Mexico
Licenc., University of Michoacan
Department: Mathematics
Major: Applied Mathematics
Dissertation: option-theoretic valuation model for residential mortgages with stochastic conditions and discount factors

†† Kim Marie Mueller
Ankeny
B.S., University of Wisconsin – Platteville;
M.S., Ibid.;
M.S., Iowa State University
Department: Statistics
Major: Statistics
Dissertation: Construction and behavior of Multinomial Markov random field models

Eundeok Mun
Anyang, South Korea
B.S., Sungkyunkwan University;
M.S., Ibid.
Department: Physics and Astronomy
Major: Condensed Matter Physics
Dissertation: Yb-based heavy fermion compounds and field tuned quantum criticality

§ Rafael Albertovich Nafikov
Kiev, Ukraine
Spec., The National Agrarian University;
M.S., Iowa State University
Departments: Animal Science and Biochemistry, Biophysics and Molecular Biology
Majors: Nutritional Sciences (Molecular and Cellular Nutrition) and Biochemistry
Dissertation: Genetic regulation of bovine milk fatty acid composition: Improving the healthfulness of milk through selection

Lisa Ann Naig
Marshalltown
B.S., Iowa State University;
M.S., Ibid.
Department: Human Development and Family Studies
Major: Human Development and Family Studies
Dissertation: Professional burnout and compassion fatigue among early childhood special education teachers

Gianina-Alina Negoita
Braila, Romania
Dipl., Bucharest University;
Master, Universitatea din Bucuresti;
M.S., Iowa State University
Department: Physics and Astronomy
Major: Nuclear Physics
Dissertation: Ab initio nuclear structure theory

Corwin D. Nelson
Hinckley, Minn.
B.S., University of Minnesota - Duluth
Department: Biochemistry, Biophysics, and Molecular Biology
Majors: Biochemistry and Immunobiology
Dissertation: Vitamin D signaling in the bovine immune system
Anne Elizabeth O'Bryan  
Indianola  
B.A., Simpson College;  
M.A., Iowa State University  
Department: English  
Major: Applied Linguistics and Technology  
Dissertation: Investigating the impact of segmented and whole-text repetition on listening comprehension, comprehension processes, and comprehension problems.

Paola Paez  
Alajuela, Costa Rica  
Bach., Universidad de Costa Rica;  
Licen., Ibid.;  
M.S., Iowa State University  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Foodservice and Lodging Management  
Dissertation: Training methods and topics for hospitality employees with disabilities: Managers' attitudes and perceived knowledge

Amit Pande  
Haldwani India  
B.Tech., Indian Institute of Technology - Roorkee  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Dissertation: Algorithms and architectures for secure embedded multimedia systems

Yong-Joon Park  
Seoul, South Korea  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Dissertation: Efficient validation of control flow integrity for enhancing computer system security

Anupama Pasricha  
Saint Paul, Minn.  
B.Sc., University of Delhi;  
M.Sc., Ibid.;  
M.Educ., Iowa State University  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Family and Consumer Sciences Education  
Dissertation: Exploration of the meaning of sustainability in textiles and apparel discipline and prospects for curriculum enhancement

Abby R. Patterson  
Radcliffe  
B.S., Iowa State University;  
D.V.M., Ibid.;  
M.S., Ibid.  
Department: Veterinary Microbiology and Preventive Medicine  
Major: Veterinary Microbiology  
Dissertation: Horizontal transmission of porcine circovirus type 2 (PCV2)

Paola Tatiana Perez  
Jamundi, Colombia  
Ing.Ag., Universidad Nacional de Colombia;  
M.S., Iowa State University  
Department: Agronomy  
Major: Plant Breeding  
Dissertation: Soybean improvement strategies: Insect-pollinator attraction and genetic resistance to whitefly and to brown stem rot

Jessica Diane Petersen  
North Liberty  
B.S., University of Iowa;  
M.S., Iowa State University  
Department: Entomology  
Majors: Entomology and Ecology and Evolutionary Biology  
Dissertation: Revisionary systematics and evolutionary ecology of Neophylidorea (Diptera: Tipuloidea)

Thang Huu Phan  
Vinh, Vietnam  
B.S., Hanoi University of Civil Engineering;  
M.S., New Mexico State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Geotechnical Engineering)  
Dissertation: Laboratory and field investigations of recycled portland cement concrete subbase aggregates

Finn Cooper Pillsbury  
San Francisco, Calif.  
B.A., College of the Atlantic;  
M.S., Iowa State University  
Department: Natural Resource Ecology and Management  
Major: Wildlife Ecology  
Dissertation: Grassland bird responses to a fire-grazing interaction in a fragmented landscape
Gloria Fe Mariano Pimienta    Salt Lake City, Utah
B.Sc., University of the Philippines;  
M.S., Michigan State University  
Department: Chemistry  
Major: Analytical Chemistry  
Dissertation: Investigations of the mechanism of retention of electrochemically modulated liquid chromatography

Long Qu    Fuxin, China
B.Med., China Medical University;  
M.Sc., Ibid.  
Departments: Animal Science and Statistics  
Majors: Bioinformatics and Computational Biology and Statistics  
Dissertation: Improving statistical inference for gene expression profiling data by borrowing information

Mattie R. Rasco    Vicksburg, Miss.
B.S., Alcorn A&M College;  
M.S., University of Southern Mississippi;  
M.S., Ibid.  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Family and Consumer Sciences Education  
Dissertation: Socioeconomic barriers to overweight and obesity reduction among adults in Claiborne and Jefferson Counties, Southwest Mississippi

José Manuel Reyes Alamo    Bayamón, Puerto Rico
B.S., University of Puerto Rico - Bayamon  
Department: Computer Science  
Major: Computer Science  
Dissertation: A framework for safe composition of heterogeneous SOA services in a pervasive computing environment with resource constraints

Nina Louise Rooffe    Conway, Ark.
B.S., University of Central Arkansas;  
M.S., University of Arkansas  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Family and Consumer Sciences Education  
Dissertation: The impact of nutrition and health education intervention on kindergarten students’ nutrition and exercise knowledge

Denice Katherine Ross Haynes    Ames
B.S., Northwestern University;  
M.S., Illinois State University  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: The Sweet Briar Way: The search for organizational identity in higher education

Mathew David Routh    Waterville, Minn.
B.S., St. Cloud State University  
Department: Physics and Astronomy  
Major: Molecular, Cellular and Developmental Biology  
Dissertation: Structure, function, and regulation of multidrug export proteins among the RND superfamily in Gram-negative bacteria

Abhinav Sarje    Roorkee, India
B.Tech., Indian Institute of Technology - Guwahati  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Dissertation: Applications on emerging paradigms in parallel computing

Gregg Martin Schieffer    Mosinee, Wis.
B.S., University of St. Thomas  
Department: Chemistry  
Major: Analytical Chemistry  
Dissertation: Extending the frontiers of mass spectrometric instrumentation and methods

Nicholas P. Schmidt    Lanesboro, Minn.
B.A., Luther College;  
M.S., Iowa State University  
Department: Entomology  
Major: Entomology  
Dissertation: Local and regional approaches to studying the phenology and biological control of the soybean aphid

Matthew Lee Search    Des Moines
B.A., University of Central Florida  
M.A., Ibid.  
Department: English  
Major: Rhetoric and Professional Communication  
Dissertation: The disembodied classroom: Adapting a multimodal business communication course for distance education

§ Research Excellence Award
†† Teaching Excellence Award
Philip Andrew Shaffer  Silver Spring, Md.  
B.S., University of Maryland - College Park;  
M.S., Iowa State University  
Department: Psychology  
Major: Psychology (Counseling Psychology)  
Dissertation: Visibility and responsiveness: Their influences on the impact of social support

Danielle Jacqueline Simmons  Chicago, Ill.  
B.S., Northern Illinois University;  
M.S., Iowa State University  
Department: Psychology  
Major: Psychology (Counseling Psychology)  
Dissertation: Upward mobility: Experiences with families of origin among college-educated African American women

Atilla Sit  Istanbul, Turkey  
B.S., Middle East Technical University;  
M.S., Bogazici University  
Department: Mathematics  
Major: Applied Mathematics  
Dissertation: Solving distance geometry problems for protein structure determination

Asha Stephen  Hyderabad, India  
B.Tech., Kannur University;  
M.S., University of Missouri - Kansas City;  
M.S., Iowa State University  
Department: Psychology  
Major: Psychology (Counseling Psychology)  
Dissertation: The effect of the Kuder Career Planning System used in a classroom setting on perceived career barriers, coping self-efficacy, career decidedness, and retention

Matthew Edward Studham  Ames  
B.S., Univ of Maryland College Park;  
B.S., Ibid.;  
M.B.A., Ibid.  
Department: Biochemistry, Biophysics, and Molecular Biology  
Major: Bioinformatics and Computational Biology  
Dissertation: Transcriptional defense response of the soybean plant, Glycine max, in reaction to infestation by the soybean aphid, Aphis glycines

Gang Sun  Hangzhou, China  
M.E., Zhejiang University;  
M.S., University of Saskatchewan  
Department: Agricultural and Biosystems Engineering  
Major: Agricultural Engineering  
Dissertation: Computational intelligence and transient thermal analysis methods for exploratory analysis of source air quality

†† Kari Ann Terzino  LaPorte, Ind.  
B.A., Purdue University;  
M.S., Iowa State University  
Department: Psychology  
Major: Psychology  
Dissertation: Self-forgiveness for interpersonal and intrapersonal transgressions

Maitri Thakur  Ludhiana, India  
B.Tech., Punjab Agricultural University;  
M.S., Iowa State University  
Departments: Agricultural and Biosystems Engineering and Industrial and Manufacturing Systems Engineering  
 Majors: Agricultural Engineering and Industrial Engineering  
Dissertation: Operational techniques for implementing traceability in bulk product supply chains

Jiang Tian  Luoyang, China  
B.E., Harbin Shipbuilding Engineering Institute  
M.S., Xian Jiaotong University;  
M.S., Iowa State University  
Department: Computer Science  
Major: Computer Science  
Dissertation: Modeling and grasping of thin deformable objects

†† Jessica Jeanne Veenstra  Cedar Rapids  
B.S., University of California – Davis;  
M.S., Ibid.  
Department: Agronomy  
 Majors: Soil Science and Environmental Science (Soil Morphology and Genesis)  
Dissertation: Fifty years of agricultural soil change in Iowa

Micky Anak Vincent  Kuching, Malaysia  
B.S., University Malaya;  
M.S., University Putra Malaysia  
Department: Civil, Construction and Environmental Engineering  
Major: Biorewable Resources Technology  
Dissertation: Sequential saccharification and fermentation of corn stover for the production of fuel ethanol using wood-rot fungi, Saccharomyces cerevisiae and Escherichia coli K011

§Brian James Viner  Eldridge  
B.S., Iowa State University;  
M.S., Ibid.  
Department: Agronomy  
Major: Agricultural Meteorology  
Dissertation: Numerical modeling of meteorological and topographical effects on pollen shed, dispersion, and viability

‡ Research Excellence Award  
‡ † Teaching Excellence Award
<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Degree Institutions</th>
<th>Department</th>
<th>Major</th>
<th>Dissertation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chunhai Wang</td>
<td>Shanghai, China</td>
<td>B.S., Shanghai Jiao Tong University; M.S., Ibid.</td>
<td>Aerospace Engineering</td>
<td>Engineering Mechanics</td>
<td>Numerical modeling of free surface and rapid solidification for simulation and analysis of melt spinning</td>
</tr>
<tr>
<td>Qiang Wang</td>
<td>Renshou, China</td>
<td>B.S., Sichuan University; M.S., Ibid.</td>
<td>Biochemistry, Biophysics, and Molecular Biology</td>
<td>Plant Biology</td>
<td>P450s in the biosynthesis of diterpenoid phytoalexins in rice</td>
</tr>
<tr>
<td>Christopher Donald Warner</td>
<td>Des Moines</td>
<td>B.S., University of Iowa</td>
<td>Chemical and Biological Engineering</td>
<td>Chemical Engineering</td>
<td>Structures, kinetics, and modeling of glycoside hydrolase family 44 endoglucanases from Clostridium acetobutylicum and Ruminococcus flavefaciens FD-1</td>
</tr>
<tr>
<td>Quinn Woodward Warnick</td>
<td>Ames</td>
<td>B.A., Brigham Young University; M.A., Iowa State University</td>
<td>English</td>
<td>Rhetoric and Professional Communication</td>
<td>What we talk about when we talk about talking: Ethos at work in an online community</td>
</tr>
<tr>
<td>Bridget K. Welch</td>
<td>Macomb, Ill.</td>
<td>B.A., University of Northern Iowa; M.A., University of Iowa</td>
<td>Sociology</td>
<td>Sociology</td>
<td>The effect of social capital and identity factors on Latino/a business network success in new destination communities</td>
</tr>
<tr>
<td>Nancy Anne Woods</td>
<td>Boone</td>
<td>B.A., University of Nebraska – Omaha; B.S., Ibid.; M.S., Iowa State University; M.S.M., Ibid.</td>
<td>Educational Leadership and Policy Studies</td>
<td>Education (Educational Leadership)</td>
<td>Exploring women community college natural scientists' personal experience narratives through a subjectivist lens</td>
</tr>
<tr>
<td>Lingyuan Yang</td>
<td>Ames</td>
<td>B.Eng., Lanzhou University; M.Eng., Ibid.</td>
<td>Agricultural and Biosystems Engineering</td>
<td>Environmental Science and Agricultural Engineering</td>
<td>Spatio-temporal patterns of field-scale soil moisture and their implications for in situ soil moisture network design</td>
</tr>
<tr>
<td>Shannon Kellim Young</td>
<td>Eugene, Oreg.</td>
<td>B.A., University of Tennessee – Knoxville; M.S., Ibid.; M.S., Iowa State University</td>
<td>Psychology</td>
<td>Psychology (Counseling Psychology)</td>
<td>Promoting healthy eating among college women: Effectiveness of an intuitive eating intervention</td>
</tr>
<tr>
<td>Farrah Dina Yusop</td>
<td>Shah Alam, Malaysia</td>
<td>B.Mgmt., Universiti Utara Malaysia; M.I.T., University of Malaya</td>
<td>Curriculum and Instruction</td>
<td>Instructional Technology and Human Computer Interaction</td>
<td>The Civic-Minded Instruction Designers (CMID) framework: Educating instructional designers with community-based service-learning approaches</td>
</tr>
<tr>
<td>Wen Zhou</td>
<td>Tianjin, China</td>
<td>B.S., Chongqing University</td>
<td>Mathematics</td>
<td>Applied Mathematics</td>
<td>Mathematical modeling of MHC Class II mediated immune responses in tissues</td>
</tr>
<tr>
<td>Xiaohui Zhou</td>
<td>Ankeny</td>
<td>B.E., Zhejiang University; M.S., University of Connecticut</td>
<td>Mechanical Engineering</td>
<td>Mechanical Engineering</td>
<td>A plug and play framework for an HVAC air handling unit and temperature sensor auto recognition technique</td>
</tr>
</tbody>
</table>
MASTER OF ACCOUNTING

Aaron Elizabeth Cirks
Gilmore City
B.S., Iowa State University
Department: Accounting
Major: Accounting

Jinhee Kim
Seoul, South Korea
B.S., Iowa State University
Department: Accounting
Major: Accounting

Katherine Elaine Farlow
Des Moines
B.S., Iowa State University
Department: Accounting
Major: Accounting

Meixian Luo
Ankeny
B.B.A., University of Iowa
Department: Accounting
Major: Accounting

Christine A. Gultom
Jakarta, Indonesia
B.S., Iowa State University
Department: Accounting
Major: Accounting

Yu Zhou
Nantong, China
B.Econ., East China University of Science and Technology;
B.S., Iowa State University
Department: Accounting
Major: Accounting

MASTER OF AGRICULTURE

Gregory Dale Baumann
Savannah, Mo.
B.S., University of Missouri-Columbia
Department: Professional Agriculture
Major: Professional Agriculture

Terry A. Sponheim
Saint Ansgar
B.S., Iowa State University
Department: Professional Agriculture
Major: Professional Agriculture

MASTER OF ARCHITECTURE

Jigar A. Gandhi
Mumbai, India
B.Arch., University of Mumbai
Department: Architecture
Major: Architecture
Thesis: Developing parameters of design for an urban context and demonstrating them as a future design model

Soumya Koka
Chennai, India
B.Arch., Anna University
Department: Architecture
Major: Architecture

MASTER OF ARTS

Wendy Michelle Ryun Arch
Indianola
B.F.A., Drake University
Department: English
Major: English (Literature)
Thesis: “A living fire to enlighten the darkness”: Allegorical interpretations of Madeleine L’Engle’s A Wrinkle in Time and J.K. Rowling’s Harry Potter and the Sorcerer’s Stone

Bowon Chang
Ames
B.A., Konkuk University
Department: Political Science
Major: Political Science
Thesis: The power of geographical boundaries: Cultural, political, and economic border effects in a unitary nation

Joseph Edmund Brekke
Ames
B.A., Luther College
Department: English
Major: English (Creative Writing)
Thesis: Someday, when I lived in Frost

Amy Elizabeth Ciani
Spearfish, S. Dak.
B.S., Iowa State University
Department: Art and Design
Major: Art and Design (Interior Design)
Thesis: A study of how lighting can affect a guest’s dining experience
Kristin Sue Daniel  
Lidderdale  
B.A., Mount Mercy College  
Department: English  
Major: English (Literature)  
Thesis: Power and its price: Female roles and the consequences of gaining agency in Toni Morrison’s *Beloved* and Jane Smiley’s *A Thousand Acres*

Meghan Theresa Gillette  
Urbandale  
B.A., University of Northern Iowa  
Department: Anthropology  
Major: Anthropology  
Thesis: Trends in age at menarche, sexual debut, and oral contraceptive use among Swedish and Swedish Sami women

Lauren D. Hazenson  
Hudson, Wis.  
B.A., Hamline University  
Department: English  
Major: English (Literature)  
Thesis: The maximalist transformation of the female immigrant identity in Bharati Mukherjee’s *Jasmine* and *The Holder of the World*

Kristin Diane Lewis  
Osage  
B.S., Iowa State University  
Department: Art and Design  
Major: Art and Design (Interior Design)  
Thesis: Wayfinding for healthcare environments: A case study and proposed guidelines

Kendra Kay Malone  
Ames  
B.S., University of Iowa  
Department: Anthropology  
Major: Anthropology  
Thesis: Learning stories through conversations: Gaining insight into women’s knowledge of and attitudes towards sexual health and the implications for the spread of HIV/AIDS in Trinidad

†† Marc Patrick Malone  
Jacksonville, Ill.  
B.A., Illinois College  
Department: English  
Major: English (Literature)  
Thesis: Existing off the map: Reading Stein and Barnes as hybrid architects

Rachel Elizabeth Roe  
Moorhead, Minn.  
B.A., Minnesota State University-Moorhead  
Department: English  
Major: Rhetoric, Composition and Professional Communication  
Thesis: Design standards for safety warning messages in manuals: increasing design saliency and adapting for a broader range of professional communication settings

Marlene Margaret Schultz  
Urbandale  
B.A., University of Northern Iowa  
Department: English  
Major: Rhetoric, Composition and Professional Communication

Ekaterina Victorovna Shcherbakova  
Ivanovo, Russia  
Phil., Ivanovo State University;  
Mang., *Ibid.*;  
Department: English  
Major: Teaching English as a Second Language/Applied Linguistics (English for Specific Purposes)  
Thesis: Appropriateness in requests: perspectives of Russian EFL learners

Amanda Christine Smith  
Edina, Minn.  
B.A., Luther College  
Department: Political Science  
Major: Political Science  
Thesis: Consumer reactions to organic food price premiums in the United States

Michael Addison Stanfield  
Racine, Wis.  
B.A., Marquette University  
Department: Interdisciplinary Graduate Studies  
Major: Interdisciplinary Graduate Studies (Arts and Humanities)  
Thesis: Pay attention to what they tell you to forget: What we know, what we want, and how it affects our health

Shelley A. Steenblock  
Ames  
B.S.N, Creighton University  
Department: Art and Design  
Major: Art and Design (Interior Design)  
Thesis: User centered design evaluation of the grocery store environment: A study based on an aging population’s perception of the person-environment fit

Kimberly Joy Tanner  
Ankeny  
B.A., Clearwater Christian College;  
M.A., Faith Baptist Bible College  
Department: English  
Major: English (Literature)  
Thesis: Radical saints and conservative churches: Cynewulf’s *Juliana* in its cultural context
Xuan Teng  
Ames  
B.A., Central University of Nationalities  
Department: English  
Major: Teaching English as a Second  
Language/Applied Linguistics (Computer  
Assisted Language Learning)  
Thesis: Negotiation of meaning in  
synchronous computer-mediated  
communication (CMC): The role of  
online chat in second language  
vocabulary development

Marta Vessoni de Lence  
Ames  
Pharm., University of Buenos Aires  
Department: Interdisciplinary Graduate  
Studies  
Major: Interdisciplinary Graduate Studies  
(Arts and Humanities)  
Thesis: Assisting the intermediate-level  
language listener through the use of  
elaborated texts

MASTER OF ARTS IN TEACHING

Casey James Brown  
Ames  
B.L.S., Iowa State University  
Department: Curriculum and Instruction  
Major: Science Education

Jill Nicole De Vries  
Pella  
B.S., Iowa State University  
Department: Curriculum and Instruction  
Major: Science Education

Kayla Ann Hendrix  
Council Bluffs  
B.S., Iowa State University  
Department: Curriculum and Instruction  
Major: Science Education

Derek J. Hollingshead  
Onslow  
B.S., Iowa State University  
Department: Curriculum and Instruction  
Major: Science Education

Lee Patrick Johnson  
Sioux City  
B.S., Iowa State University  
Department: Curriculum and Instruction  
Major: Science Education

Klint Charles Kersten  
Logan  
B.S., Iowa State University  
Department: Curriculum and Instruction  
Major: Science Education

Nathaniel Duane Larson  
Ames  
B.S., Iowa State University  
Department: Curriculum and Instruction  
Major: Science Education

Daryl Kent Miller  
Miamisburg, Ohio  
B.A., Miami University  
Department: Curriculum and Instruction  
Major: Science Education

Jacob Thomas Norlin  
Hopkinton  
B.S., Iowa State University  
Department: Curriculum and Instruction  
Major: Science Education

James Michael Sleep  
Gravity  
B.S., Iowa State University  
Department: Curriculum and Instruction  
Major: Science Education

Blake J. Williams  
Ankeny  
B.S., Iowa State University  
Department: Curriculum and Instruction  
Major: Science Education

MASTER OF BUSINESS ADMINISTRATION

Zachary Edward Bruce  
Adel  
B.S., Iowa State University  
Department: Business Administration  
Major: Business Administration

Linda Marie Carr  
Huxley  
B.S., Iowa State University  
Department: Business Administration  
Major: Business Administration

Lori Lynn Chedester  
Laurel  
B.A., Graceland University  
Department: Business Administration  
Major: Business Administration (Information  
Systems)

Rachel Anne Davies  
West Des Moines  
B.A., University of Northern Iowa  
Department: Business Administration  
Major: Business Administration

§ Research Excellence Award  
† † Teaching Excellence Award
Jason Wayne Grodahl  
*Urbandale*
B.S., Iowa State University
Department: Business Administration
Major: Business Administration

Katie Lyn Hamann  
*Anthon*
B.A., University of Northern Iowa
Department: Business Administration
Major: Business Administration

Micah Ryan Kiel  
*Des Moines*
B.A., Creighton University
Department: Business Administration
Major: Business Administration

John Mobley III  
*Jefferson*
B.A., University of Northern Iowa;  
Department: Business Administration
Major: Business Administration

Samuel Alexander Reed  
*Pleasant Hill*
B.S., Iowa State University
Department: Business Administration
Major: Business Administration (Marketing)

Ali Abdul Majid Shafiq  
*Ankeny*
B.S., Southern Illinois University–Carbondale
Department: Business Administration
Major: Business Administration

Madhumitha Sivakumaran  
*West Des Moines*
B.Tech., University of Madras
Department: Business Administration
Major: Business Administration

Melissa Carroll-Casey Suek  
*Saint Paul, Minn.*
B.A., University of Minnesota–Minneapolis
Department: Business Administration
Major: Business Administration (Information Systems) (Supply Chain Management)

Brandy Waters  
*Des Moines*
B.S., Iowa State University
Department: Business Administration
Major: Business Administration

---

**MASTER OF COMMUNITY AND REGIONAL PLANNING**

Laurie Lynn Brown  
*Liberty, Mo.*
B.S., University of Washington
Department: Community and Regional Planning
Major: Community and Regional Planning
Thesis: The KCMO setback ordinance: Science, public involvement, and water quality protection

Nicholas Edward Meyer  
*Seattle, Wash.*
B.S., Michigan State University
Department: Community and Regional Planning
Major: Community and Regional Planning
Thesis: From local to regional: Evolution of three multi-use trails in Northeast Iowa

---

**MASTER OF EDUCATION**

Mahima Bajpai  
*Ames*
B.Tech., Allahabad Agricultural Institute
Department: Curriculum and Instruction
Major: Education

Steven James Brand  
*Pella*
B.A., Central College
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Marnie Jo Brown  
*Morrison, Ill.*
B.S., Iowa State University;  
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Alejandra Carreno  
*Woodstock, Ill.*
B.S., Northern Illinois University
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)
Edward L. Den Beste
Atlantic
B.A., University of Iowa
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Susan Warne Dunek
Keokuk
B.S., Purdue University
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Larry Allen Hunt
Anita
B.S., Northwest Missouri State University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Lacy Jean Johnson
Bloomfield
B.A., Iowa State University
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Gregory Gene Kepner
Ottumwa
B.A., Buena Vista University
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Sunying Ling
Shanghai, China
B.A., Temple University
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Ashley Sonya Martin
Ames
B.S., Upper Iowa University
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Sarvinder K. Naberhaus
Ames
B.S., Iowa State University;
B.S., Ibid.
Department: Curriculum and Instruction
Major: Education (Curriculum and Instructional Technology)

Mindy Renee Nicholson
Kelley
B.S., Iowa State University
Department: Curriculum and Instruction
Major: Education (Special Education)

Melissa Rae Osborn
Early
B.A., University of Northern Iowa
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Joshua Dean Rasmussen
Atlantic
B.A., Buena Vista University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Eric Lee Smidt
Ames
B.A., University of Northern Iowa
Department: Curriculum and Instruction
Major: Education (Special Education)

Gail Marie Zehr
Waterloo
B.A., University of Northern Iowa
Department: Educational Leadership and Policy Studies
Major: Education

Jessica Lynn Anderson
Vinton
B.S., University of Nebraska - Lincoln
Department: Industrial and Manufacturing Systems Engineering
Major: Systems Engineering

Nader Elias Badr
Austin, Tex.
B.Sc., University of Jordan;
Ph.D., Iowa State University
Department: Electrical and Computer Engineering
Major: Computer Engineering

Christopher G. Bean
Marion
B.S., Embry-Riddle Aeronautical University
Department: Industrial and Manufacturing Systems Engineering
Major: Systems Engineering

Brian Neil DeHaan
Red Lake Falls, Minn.
B.S., University of Denver
Department: Industrial and Manufacturing Systems Engineering
Major: Systems Engineering

§ Research Excellence Award
† † Teaching Excellence Award
Christopher James Hagen  
**Cedar Rapids**  
B.S., Iowa State University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Systems Engineering

Matthew Thomas Kohl  
**Crete, Neb.**  
B.S., University of Nebraska - Lincoln  
Department: Aerospace Engineering  
Major: Aerospace Engineering

Tobey Lynne Strauch  
**Athens, Tex.**  
B.S., University of Colorado  
Department: Industrial and Manufacturing Systems Engineering  
Major: Systems Engineering

Jared Anderson Wachter  
**New Ulm, Minn.**  
Department: Electrical and Computer Engineering  
Majors: Information Assurance and Electrical Engineering

---

**MASTER OF FAMILY AND CONSUMER SCIENCES**

Stephanie Marie Pastovic  
**Johnstown, Pa.**  
B.S., Indiana University of Pennsylvania  
Department: Family and Consumer Sciences  
Major: Family and Consumer Sciences

Megan Marie Shady  
**Keokuk**  
B.S., Iowa State University  
Department: Family and Consumer Sciences  
Major: Family and Consumer Sciences  
(Family Financial Planning)

Zhiyin Sheng  
**Shanghai, China**  
B.E., Donghua University  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Family and Consumer Sciences  
(Textiles and Clothing)

Megan Marie Sims  
**Cleveland, Ohio**  
B.S., Delaware State University  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Family and Consumer Sciences  
(Textiles and Clothing)

Yijing Zong  
**Shenyang, China**  
B.E., Donghua University  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Family and Consumer Sciences  
(Textiles and Clothing)

---

**MASTER OF FINE ARTS**

Brytton Jade Bjorngaard  
**Zumbrota, Minn.**  
B.A., St. Mary's University of Minnesota  
Department: Art and Design  
Major: Graphic Design  
Thesis: Enhancing patient experience through environmental design in healthcare: A case study of privacy at Thielen Student Health Center and McFarland Clinic in Ames, Iowa

Lonnie Evan Carrick  
**Ames**  
B.A., Central College  
Department: English  
Major: Creative Writing and Environment  
Thesis: Good Iowa boy

James Rothschild Ewald  
**Ames**  
B.F.A., Iowa State University  
Department: Art and Design  
Major: Graphic Design  
Thesis: Miyazaki's graphic novels: Patterns in design

Purnima Swaharu  
**Thane, India**  
B.F.A., University of Mumbai  
Department: Art and Design  
Major: Graphic Design  
Thesis: Modularity: The solution for green tradeshow exhibit designs
MASTER OF PUBLIC ADMINISTRATION

Chelsea Elaine Helen Lepley  Des Moines
B.A., Iowa State University
Department: Political Science
Major: Public Administration

Dong Zhang  Dalian, China
B.A., Dalian University of Technology
Department: Political Science
Major: Public Administration

Zizhen Wu  Shanghai, China
B.S., Wuhan University
Department: Political Science
Major: Public Administration

MASTER OF SCHOOL MATHEMATICS

Christina Lynn Gilpin  Burlington
B.S., Iowa Wesleyan College
Department: Mathematics
Major: School Mathematics

Mara Diann Seversen  Spencer
B.S., Buena Vista University
Department: Mathematics
Major: School Mathematics

Brandea L. McCann  Burlington
B.S., Southern Illinois University-Edwardsville
Department: Mathematics
Major: School Mathematics

MASTER OF SCIENCE

Steven James Adams  Annapolis, Md.
B.A., Union College
Department: Journalism and Mass Communication
Major: Journalism and Mass Communication
Thesis: The elite American press coverage of the 2009-2010 health care reform debate

Amber Ann Appleton  Manchester
B.S., Iowa State University
Department: Food Science and Human Nutrition
Major: Diet and Exercise
Thesis: Promoting health literacy through the school nutrition environment

Nishtha Arora  Saint Paul, Minn.
B.Tech., Guru Gobind Singh Indraprastha University
Department: Computer Science
Major: Computer Science
Thesis: Comparison of encoding schemes for symbolic model checking of bounded petri nets

Michael James Baird  New Berlin, Wis.
B.S., Iowa State University
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Transportation Engineering)
Thesis: An empirical Bayes model to assess deer-vehicle crash safety in urban areas in Iowa

Danielle Deone Barkema  Cedar Falls
B.S., Iowa State University
Department: Kinesiology
Major: Kinesiology (Biological Basis of Physical Activity)
Thesis: The effect of heel height on frontal plane joint moments, impact acceleration, and shock attenuation during walking

Joseph Samuel Bender  Mount Joy, Pa.
B.S., University of Findlay;
D,V.M., Iowa State University
Department: Veterinary Diagnostic and Production Animal Medicine
Major: Veterinary Preventive Medicine
Thesis: Improved diagnostics and further investigation of condemnations and outbreaks associated with Erysipelothrix spp

§  Research Excellence Award
†† Teaching Excellence Award
Samuel Sevidal Berbano
Ames
B.S., Iowa State University
Department: Journalism and Mass Communication
Major: Journalism and Mass Communication
Thesis: Adoption decisions and perceptions of college personnel concerning diffusion of “Second Life” in higher education

Brent Howard Brekke
Spirit Lake
B.S., South Dakota State University
Department: Agronomy
Major: Crop Production and Physiology
Thesis: Agronomic and phenotypic responses to 75 years of recurrent selection for yield in the Iowa Stiff Stalk synthetic maize population

John Louis Byers
Moscow, Idaho
B.S., University of Nevada-Las Vegas
Department: Geological and Atmospheric Sciences
Major: Geology
Thesis: An experimental study of subglacial clast-bed contact forces

Yuanfeng Cai
Luoyang, China
B.S., Tongji University
Department: Logistics, Operations and Management Information Systems
Major: Information Systems

Sudeshna Aloke Chatterjee
Nagpur, India
B.P.T., Maharashtra University
Department: Kinesiology
Major: Kinesiology
Thesis: Mediolateral stability during gait in people with Parkinson’s disease

Baozhen Chen
Fengxian, China
B.S., University of Science and Technology of China
Department: Electrical and Computer Engineering
Major: Electrical Engineering

Larry W. Cormicle
Ames
B.S., Iowa State University
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Construction Engineering and Management)

Samuel Wesley Cotter
Columbus, Wis.
B.S., Iowa State University
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Environmental Engineering)
Thesis: Partial nitrification and oxygen transfer analysis utilizing hollow fiber membrane aeration

Dustin Robert Counsell
Osage
B.S., Iowa State University; B.A., Ibid.
Department: Electrical and Computer Engineering
Major: Computer Engineering

Katherine Evans Craychee
Saint Charles, Ill.
B.S., Iowa State University
Department: Mathematics
Major: Applied Mathematics

Daniel George De Graaf
Waukee
B.S., Iowa State University
Department: Electrical and Computer Engineering
Major: Computer Engineering
Thesis: Detection of static flaws in changesets

Michael Scott Ebelhar
Owensboro, Ky.
B.S., Western Kentucky University
Department: Agronomy
Major: Agronomy

Melissa Williams Eiswirth
O’Fallon, Mo.
B.S.E., Tulane University of Louisiana
Department: Logistics, Operations and Management Information Systems
Major: Seed Technology and Business

Ke Fang
Huangshan, China
B.Nat.S., University of Science and Technology of China
Department: Physics and Astronomy
Major: Astrophysics
Thesis: Contribution to individual blazar spectrum from the cascade of very-high energy gamma rays

Rebecca ME Filipowicz
Cascade, Mont.
B.S., University of Montana; M.S., Montana State University
Department: Food Science and Human Nutrition
Major: Nutritional Sciences
Thesis: Estimating intake of omega-3 fatty acids during pregnancy
Francisco J. Flores-Cordero  
_Bayamon, Puerto Rico_  
B.S., Inter American University of Puerto Rico  
Department: Journalism and Mass Communication  
Major: Journalism and Mass Communication  
Thesis: Convergence in journalism: Implications for the higher education of journalism students

Betsey Nicole French  
_Des Moines_  
B.A., University of Nebraska – Lincoln;  
B.A., Drake University  
Department: Architecture  
Major: Architectural Studies  
Thesis: An examination of information needed when purchasing a home in a historic district

Stefans R. Gailans  
_Mequon, Wis._  
B.S., University of Illinois-Urbana Champaign  
Department: Agronomy  
Majors: Crop Production and Physiology and Sustainable Agriculture  
Thesis: The agronomic and economic performance of the production of flax in Iowa

Sayan Ghosh  
_Kolkata, India_  
B.Tech., Indian Institute of Technology - Kharagpur  
Department: Aerospace Engineering  
Major: Aerospace Engineering  
Thesis: Configurational effect on dust cloud formation and browning

Michael William Graham  
_Stoneham, Mass._  
B.S., Northeastern University  
Department: Horticulture  
Major: Sustainable Agriculture  
Thesis: Grain amaranth production and effects of soil amendments in Uganda

Randy W. Griffiths  
_Pleasant Grove, Utah_  
B.S., Utah State University  
Department: Statistics  
Major: Statistics

Aaron Donald Gross  
_Saint Cloud, Minn._  
B.S., St. Cloud State University  
Department: Entomology  
Major: Toxicology  
Thesis: Expression of the _Periplaneta americana_ α-adrenergic-like octopamine receptor in the yeast _Saccharomyces cerevisiae_: A high-throughput screening system in search of biorational insecticides

Kumudan Robert Grubh  
_Nagercoil, India_  
B.S., Manonmaniam Sundaranar University;  
M.S., Ibid.  
Department: Natural Resource Ecology and Management  
Major: Ecology and Evolutionary Biology  
Thesis: Historical vegetation reconstruction using spatial modeling on pre-Euro-American data to inform ecosystem restoration in the Driftless Area of the U.S. Midwest

Deniz Guvercin  
_Istanbul, Turkey_  
B.A., Dokuz Euylu University;  
M.A., Istanbul Technical University  
Department: Economics  
Major: Economics

Bradley James Heller  
_Genesee, Ill._  
B.A., Augustana College  
Department: Natural Resource Ecology and Management  
Major: Wildlife Biology  
Thesis: Analysis of giant Canada goose band recovery data in Iowa and the Mississippi flyway

Najphak Hongthanat  
_Bangkok, Thailand_  
B.S., Kasetsart University;  
M.S., Ibid.  
Department: Agronomy  
Major: Soil Science (Soil Chemistry)  
Thesis: Phosphorus sorption-desorption of soils and sediments in the Rathbun Lake watershed

Patrick James Hosch  
_Ankeny_  
B.S., Iowa State University;  
B.S., Ibid.  
Department: Animal Science  
Major: Meat Science

Valerie M. H. Jaehrling  
_Oakland_  
B.S., Iowa State University  
Department: Agronomy  
Major: Sustainable Agriculture

Rebecca M. Johnson  
_Marion_  
B.S., Rose-Hulman Institute of Technology  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: Using an autotrottle to compare techniques for saving fuel on a regional jet aircraft
Wade Adam Kent  
Algonia
B.S., Iowa State University  
Department: Agronomy  
Major: Crop Production and Physiology  
Thesis: The effects of previous-year corn hybrid and cropping system on current-year corn hybrids in second year corn

Alecia Marie Kiszonas  
Sturgeon Bay, Wis.
A.B., Ripon College  
Department: Agronomy  
Major: Crop Production and Physiology  
Thesis: Tillage effects on soybean growth, development, and yield

Apisit Kittawornrat  
Bangkok, Thailand
D.V.M., Chulalongkorn University  
Department: Veterinary Diagnostic and Production Animal Medicine  
Major: Veterinary Preventive Medicine  
Thesis: Detection of Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) in oral fluid specimens

Michael Stanley Kohn  
Bismarck, N. Dak.
B.S., University of Nebraska  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Environmental Engineering)  
Thesis: Transport of fluid from the boundary of a lake

Viswanath Krishnamurthy  
Ames
B.Eng., Anna University  
Department: Computer Science  
Major: Computer Science  
Thesis: A novel thread scheduler design for polymorphic embedded systems

Nikhil Laghave  
Ames
B.E., Nagpur University  
Department: Computer Science  
Major: Computer Science  
Thesis: Input/Output of ab-initio nuclear structure calculations for improved performance and portability

Krista Renee Lang  
Scio, Oreg.
B.S., Oregon State University  
Department: Natural Resource Ecology and Management  
Major: Wildlife Biology  
Thesis: Landscape influences on dispersal of white-tailed deer and attendant risk of chronic wasting disease spread as assessed by a landscape genetics approach

Timothy Robert Lentz  
Dubuque
B.S., Iowa State University  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Thesis: Analysis of the passive design and solar collection techniques of the houses in the 2009 U.S. Department of Energy’s Solar Decathlon competition

Thomas James Lewin  
Davenport
B.S., Iowa State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Structural Engineering)  
Thesis: An investigation of design alternatives for 328-ft (100-m) tall wind turbine towers

Xuan Li  
Zhangjiakou, China
B.E., Zhejiang University  
Department: Agricultural and Biosystems Engineering  
Major: Agricultural Engineering  
Thesis: Bioethanol production from lignocellulosic feedstock using aqueous ammonia pretreatment and simultaneous saccharification and fermentation (SSF): process development and optimization

Meng Hsien Lin  
Taipei, Taiwan
B.S., National Chung Hsing University  
M.B.A., Iowa State University  
Department: Biomedical Sciences  
Major: Biomedical Sciences (Physiology)  
Thesis: Investigations into the mechanisms of methamphetamine and oxygen-glucose deprivation-induced neurodegeneration: Implications for autophagy and apoptosis

Stephanie Ann Linde  
Minneapolis, Minn.
B.S., Northwestern University  
Department: Ecology, Evolution and Organismal Biology  
Major: Ecology and Evolutionary Biology  
Thesis: Predicting favorable habitat for bobcats (Lynx rufus) in Iowa

Xuemin Liu  
Tianjin, China
B.E., Tsinghua University;  
Ing., Ecole Central de Nantes;  
M.E. Tsinghua University  
Department: Computer Science  
Majors: Computer Science and Human Computer Interaction  
Thesis: Automated measurement of quality of mucosa inspection for colonoscopy

§ Research Excellence Award
† † Teaching Excellence Award
‡ Degree Conferred Posthumously
Yanjun Liu  
**Chengdu, China**

B.S., Sichuan University  
Department: Food Science and Human Nutrition  
Major: Food Science and Technology  
Thesis: Beta-glucan effects on pasting properties and potential health benefits of flours from different oat lines

Mark William Lohry  
**Sioux City**

B.S., Iowa State University  
Department: Aerospace Engineering  
Major: Aerospace Engineering  
Thesis: Graphics hardware acceleration for rotocraft simulations

Paula Anne Madgett  
**Omaha, Neb.**

B.S., Iowa State University  
Department: Statistics  
Major: Statistics

Andrea Dawn Mason  
**Goodwin, S. Dak.**

B.A., University of Northern Iowa  
Department: Sociology  
Major: Sociology  
Thesis: Police, culture, and ethics: toward an understanding and expansion of police culture and ethical research

Brett Alan McCarty  
**Sumter, S.C.**

B.A., University of South Carolina  
Department: Physics and Astronomy  
Major: Condensed Matter Physics  
Thesis: Sonochemical route to create superconducting and superparamagnetic nanocomposites

Michael R. McCoy  
**Clive**

B.L.S., Iowa State University  
Department: Interdisciplinary Graduate Studies  
Major: Interdisciplinary Graduate Studies (International Development Studies)

Luciano Barreto Mendes  
**Campina Grande, Brazil**

Ag.Eng., Federal University of Campina Grande  
Department: Agricultural and Biosystems Engineering  
Major: Agricultural Engineering (Animal and Plant Production Engineering)  
Thesis: Ammonia emissions, feeding and defecation dynamics of W36 pullets and laying hens as affected by stocking density and manure accumulation time

Kyle James Miller  
**Nora Springs**

B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: Fabrication and modeling of thin-film anodic titania memristors

Steven Brent Mitchell  
**Ankeny**

B.S., Brigham Young University;  
M.B.A., University of Nebraska - Lincoln  
Department: Agronomy  
Major: Agronomy

John Mobley III  
**Jefferson**

B.A., University of Northern Iowa;  
Department: Logistics, Operations and Management Information Systems  
Major: Information Systems

Allan Ortiz  
**Alajuela, Costa Rica**

Bach.Un., Technical Institute of Costa Rica  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Foodservice and Lodging Management  
Thesis: Customers’ willingness to pay premium for locally sourced menu items

Dursun Can Ozcan  
**Ankara, Turkey**

B.S., Gazi University  
Department: Chemical and Biological Engineering  
Major: Chemical Engineering  
Thesis: Development of a sorbent for carbon dioxide

Brent James Pacha  
**Fairfield**

B.S., Iowa State University  
Department: Agronomy  
Major: Crop Production and Physiology  
Thesis: Soybean seedling emergence and yield in the presence of *Fusarium virguliforme*

Sushain Pandit  
**Ames**

B.S., University of Pune  
Department: Computer Science  
Major: Computer Science  
Thesis: Ontology-guided extraction of structured information from unstructured text: Identifying and capturing complex relationships

---

§  Research Excellence Award
† †  Teaching Excellence Award
Dibyadeep Paul  
Durgapur, India  
B.Tech., Indian Inst of Technology – Kharagpur  
M.Tech., Ibid.  
Departments: Mechanical Engineering and Electrical and Computer Engineering  
Majors: Mechanical Engineering and Electrical Engineering  
Thesis: Focused Electric Field Induced Ion Transport: A novel nano-imprinting approach

Wade David Paustian  
Waterloo  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Majors: Computer Engineering and Information Assurance  
Thesis: Differentiating Ethernet devices using the Normal Link Pulse with efficient computation and the impacts on performance

Brian Christopher Post  
Hudson, Wis.  
B.A., University of Wisconsin – Madison; M.C.S., Regent University  
Department: Psychology  
Major: Psychology  
Thesis: Religious and spiritual issues in group counseling: Clients' beliefs and preferences

†† Jenna Faith Pritchard  
Ames  
B.S., Iowa State University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Thesis: Interlaminate strength of laminated die tooling

Molly Kay Reida  
Chariton  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: Photovoltaic activity in benzobisoxazole based conjugated polymers

Angelica Reina  
Ames  
Psych., Pontificia Javeriana Universidad  
Department: Interdisciplinary Graduate Studies  
Major: Interdisciplinary Graduate Studies (Social Sciences)  
Thesis: Domestic violence in Iowa: Exploring the experiences of Latinas with organizational response

§ Aikaterini Rentziou  
Halandri, Greece  
B.S., National Technical University of Athens  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Transportation Engineering)  
Thesis: Predicting passenger trips for future energy and transportation infrastructure investment planning

Nathaniel Lawrence Richter  
Lime Spring  
B.S., Iowa State University  
Department: Aerospace Engineering  
Major: Engineering Mechanics  
Thesis: Modeling of pulse-echo inspections of multi-layer panels containing delaminations

Abel J. Robles  
Ames  
B.S., Iowa State University  
Department: Natural Resource Ecology and Management  
Major: Wildlife Biology  
Thesis: Patch-and landscape-scale effects on area sensitivity of grassland birds in Iowa

John W. Roltgen IV  
Cedar Rapids  
B.S., Iowa State University  
Departments: Psychology and Electrical and Computer Engineering  
Majors: Human Computer Interaction and Computer Engineering  
Thesis: AQUA-G: A universal gesture recognition framework

Fabio Gaetano Santeramo  
Barletta, Italy  
Laurea, University of Bari; Lau.Sp., Ibid.  
Department: Economics  
Major: Agricultural Economics

Lucie Macalister Sawyer  
Princeton  
B.S., Colorado School of Mines  
Department: Geological and Atmospheric Sciences  
Majors: Geology and Water Resources  
Thesis: Comparison of a watershed model (SWAT) and a groundwater flow model (GFLOW) to simulate the hydrology of two agricultural watersheds in Iowa

Joshua Allen Scanlon  
Mount Vernon  
B.S., Iowa State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Environmental Engineering)  
Thesis: Effects of grid resolution in a three-dimensional hydrostatic model: Modeling field observations

§ Research Excellence Award  
†† Teaching Excellence Award
Carrie Beth Schlechter  
Milan, Ohio
B.S., Ohio State University
Department: Agricultural Education and Studies
Major: Agricultural Education

Sana Sehar  
Faisalabad, Pakistan
B.S., University of Agriculture - Faisalabad; M.S., Ibid.
Department: Economics
Major: Economics

Stephen Setiawan  
Semarang, Indonesia
B.S., Iowa State University
Department: Food Science and Human Nutrition
Major: Food Science and Technology
Thesis: Improving feed quality by proper processing of raw materials

Christopher Michael Setina  
Decatur, Ill.
B.S., Millikin University; B.S. Iowa State University
Department: Chemical and Biological Engineering
Major: Chemical Engineering
Thesis: Alternative routes for purification of collagen type I α1 from a whole corn extract

Simon Peter Stanley Setterstrom  
Monroe, Wis.
B.S., Taylor University
Department: Curriculum and Instruction
Major: Human Computer Interaction
Thesis: Assessing credibility and aesthetic perception across different exposure times on a health care information website

Ali Abdul Majid Shafiq  
Ankeny
B.S., Southern Illinois University - Carbondale
Department: Logistics, Operations and Management Information Systems
Major: Information Systems

Soumya B. Shetty  
Pune, India
B.E., University of Pune
Department: Computer Science
Major: Computer Science
Thesis: A user configurable implementation of B-trees

Navrozedeep Singh  
Amritsar, India
B.V.S.C., Guru Angad Dev Veterinary and Animal Sciences University
Department: Kinesiology
Major: Immunobiology
Thesis: A comparison of both water and ethanol extracts prepared from *Echinacea purpurea* and *Echinacea angustifolia* on the response to Influenza A/PR/8/34 infection in mice

Melissa Carroll-Casey Suez  
Saint Paul, Minn.
B.A., University of Minnesota - Minneapolis
Department: Logistics, Operations and Management Information Systems
Major: Information Systems

Sujith Sukumaran  
Alleppey, India
B.Tech., National Institute of Information Technology
Department: Mechanical Engineering
Major: Mechanical Engineering
Thesis: Numerical study on mixture formation characteristics in a direct-injection hydrogen engine

Randy John Swestka  
Cresco
B.S., Iowa State University
Department: Agricultural and Biosystems Engineering
Major: Agricultural Engineering
Thesis: Hydrogen sulfide spatial distribution and exposure in deep-pit swine housing

Catherine Margaret Swoboda  
Des Moines
B.S., Iowa State University
Department: Agronomy
Major: Crop Production and Physiology
Thesis: Effect of agronomic practices on sudden death syndrome of soybean in Iowa

Yen-Fang Szu  
Taipei, Taiwan
B.S., Taipei Medical College
Department: Journalism and Mass Communication
Major: Journalism and Mass Communication
Thesis: The coverage of AZT and its potential role in the social amplification of risk in English-language newspapers of South Africa

Irma Irene Tapia  
San Diego, Calif.
B.S., Washington State University
Department: Natural Resource Ecology and Management
Major: Ecology and Evolutionary Biology
Thesis: Genetic diversity and connectivity of white-tailed jackrabbit populations in Iowa with notes on seasonal home ranges

Elizabeth Grace Thoma  
Durant
B.S., Wartburg College
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Construction Engineering and Management)
Alok Tripathi  
Glendale, Calif.
B.Eng., National Institute of Technology - Durgapur
Department: Electrical and Computer Engineering
Major: Computer Engineering

Michael R. Van Waardhuizen  
Pella
Department: Mechanical Engineering
Major: Human Computer Interaction
Thesis: The AugmenTable: Markerless hand manipulation of virtual objects in a tabletop augmented reality environment

Jess Michael Waddell  
Sutton, Neb.
B.S., Oklahoma State University; D.V.M., Iowa State University
Department: Veterinary Diagnostic and Production Animal Medicine
Major: Veterinary Preventive Medicine

Sean Howard Waldstein  
Sioux Rapids
B.S., Iowa State University
Department: Interdisciplinary Graduate Studies
Major: Interdisciplinary Graduate Studies (Biological and Physical Sciences)

Yan Wang  
Dalian, China
Department: Statistics
Major: Statistics

Lisa Marie Wasko  
Urbandale
B.S., Iowa State University
Departments: Horticulture and Agronomy
Majors: Horticulture and Soil Science
Thesis: Alternative weed management practices: Effects on weed control, grapevine performance, and soil quality in an established midwestern vineyard

Dale M. Wells  
Fort Dodge
B.A., Buena Vista University
Department: Interdisciplinary Graduate Studies
Major: Interdisciplinary Graduate Studies (Social Sciences)

Dustin Wiggans  
Fort Scott, Kans.
B.S., Iowa State University
Department: Agronomy
Major: Crop Production and Physiology
Thesis: Comparing inter-specific competition for continuous corn grown in a living mulch with stover removal

Yue Yin  
Benxi, China
B.Econ., Renmin University of China
Department: Journalism and Mass Communication
Major: Journalism and Mass Communication
Thesis: Cultural changes as reflected in portrayals of women and gender in Chinese magazines published in three eras

Jingquan Yu  
Changsha, China
B.A., Xiangtan University
Department: Interdisciplinary Graduate Studies
Major: Interdisciplinary Graduate Studies (International Development Studies)

Chaoliang Zhang  
Shangqiu, China
Department: Mathematics
Major: Bioinformatics and Computational Biology
Thesis: A macroscopic study of the Swedish human population

Hong Zhang  
Xuchang, China
B.Nat.S., University of Science and Technology of China
Department: Physics and Astronomy
Major: Nuclear Physics
Thesis: Quark-gluon correlation functions relevant to single transverse spin asymmetry

Wei Zhang  
Beijing, China
B.S., Beijing University of Technology
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Transportation Engineering)
Thesis: A study on the effectiveness of Iowa’s driver improvement program by gender and age

Wenjun Zhang  
Guangzhou, China
B.S., Nanjing University
Department: Aerospace Engineering
Major: Engineering Mechanics
Thesis: Frequency and load mode dependence of Vibrothermography
# Candidates for Degrees from the College of Agriculture and Life Sciences

## Bachelor of Science

### Curriculum in Agricultural Biochemistry
- Michael Patrick Ford  
  Imogene

### Curriculum in Agricultural Business
- Adam W. Batschelet  
  Ames

### Curriculum in Agricultural Studies
- Emily Kathleen Benjamin  
  Donnellson  
  Kimberly A. Flynn  
  State Center
- Jeffrey Paul Buckingham  
  Storm Lake  
  James Byron Hawcott  
  Dayton
- Long Diar Dak  
  Ames  
  Michael Paul Schreck  
  Hudson
- Tyler Aaron Du Bay  
  West Des Moines

### Curriculum in Agricultural Systems Technology
- Jacob Alan Kubik  
  Walker

### Curriculum in Animal Science
- Samir Mohammed A'gha Juarbe  
  Caguas, Puerto Rico  
  Decorah
- Cara Marie Dykhuis  
  Holland, Mich.
- ** Cara Marie Dykhuis  
  Holland, Mich.

### Curriculum in Biology
- Chelsea Elaine Berges  
  Ottumwa  
  Amanda Marie Robertson  
  Des Moines
- Emma Leigh Flemmig  
  Glidden  
  Kara Christine Standlee  
  Glen Ellyn, Ill.
- **† Emma Leigh Flemmig  
  Glidden

### Curriculum in Environmental Science
- Chris James Pelzer  
  Bennett

### Curriculum in Food Science
- Phillip Tedja  
  Ames

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* Cum Laude  
** Magna Cum Laude  
*** Summa Cum Laude  
† Honors Program
Curriculum in Horticulture

Sarah A. Gruemmer  Muscatine
Tyler Allen Johnson  Elburn, Ill.
Maria Elizabeth Olson  Vinton

Curriculum in Industrial Technology

Zachary James Else  Mapleton
Kevin David Leabhart  Des Moines
Brittany Rochelle McLemore  Kansas City, Mo.

Curriculum in Microbiology

Jana Marie Delgado  Gouldsboro, Pa.

Curriculum in Public Service and Administration in Agriculture

Samantha Ann Morine  Lamont

Multiple Curricula and Majors

*† Emma Leigh Flemmig  Glidden
  Agronomy and International Agriculture

Addie Tempra Hunter  Omaha, Neb.
  Biology and Animal Ecology

* Bradley Craig Pingel  Atalissa
  Microbiology and Liberal Arts and Sciences: Major in Performing Arts

John Albert Weiss  Atalissa
  Agricultural Business and Liberal Arts and Sciences: Major in Economics

* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
<table>
<thead>
<tr>
<th>CANDIDATES FOR DEGREES</th>
<th>FROM THE COLLEGE OF BUSINESS</th>
</tr>
</thead>
</table>

**Bachelor of Science**

**Curriculum in Business**

**Major in Accounting**

* Chelsea Jennifer Baird  
  Rockwell City  
* Kelsey Nicole Heft  
  Clive  
* Mikel Richard Jones  
  Emmetsburg  
* Koriann Kent  
  Des Moines  
* Amanda Lynn Kirby  
  Lakeville, Minn.  
* David James McClain  
  Chariton  
* Cory James Molacek  
  Algona  

Lindsey Anne Parsons  
Des Moines  
Gail Marie Starr  
Eagan, Minn.  
Jaimie Shae Williamson  
Oskaloosa  
Matthew James Wood  
Beaman  
Si Wu  
Ames  
Zhao Zhao  
Ames

**Major in Finance**

Brooke Marie Blair  
Everly  
Corey John Bluml  
Carroll  
Cierra Marie Brandt  
Webster City  
Michael David Brisbois  
Eden Prairie, Minn.  
Adam Kevin Carlson  
Bettendorf  

Brett John Foster  
Lake City  
Emily Jo Longnecker  
Council Bluffs  
Nicholas James Petersen  
Utica, Neb.  
Daniel Clifford Stokes  
Waterloo  
Xiaoyu Xiong  
NanChang, China

**Major in Logistics and Supply Chain Management**

Ryan Michael Latz  
River Forest, Ill.

**Major in Management**

Leeza Marie Andrews  
Waterloo  
Brett Michael Bentz  
Dubuque  
Alex Michael Broughton  
West Des Moines  
Richard Anthony Canal  
Satellite Beach, Fla.  
Kylie Sue Cullen  
Atlantic  
Joey Ray Edelstein  
Urbandale  
David Ryan Erickson  
Pomeroy  
Cole McClain Henkle  
Montezuma  
Robert A. Herbold  
Lawton  
Benjamin Thomas Lamaak  
Cedar Rapids  

Cherie C. Mayes  
Des Moines  
Rachel Elizabeth Moon  
Ames  
Alexander Galen Robinson  
Minneapolis, Minn.  
Melanie Nichole Scheibel  
Olivia, Minn.  
Patrick Joseph Steinbach  
Albia  
Mengqi Tian  
Beijing, China  
Erica Marie Tiedeman  
Fonda  
Tim Minh Trinh  
Des Moines

**Major in Management Information Systems**

Jonathan H. Blaue  
Urbandale  
Jonathan Edward Hult  
Burlington  
Matthew John Khalil  
Nazareth, Israel  
Diamona Lovan  
Des Moines  

Christopher Michael Mahoski  
Bettendorf  
Riley John Monahan  
Audubon  
Paul Charles Wolf  
Princeton, Ill.

* Cum Laude  
** Magna Cum Laude  
*** Summa Cum Laude  
† Honors Program
### Major in Marketing

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kristin Nicole Breon</td>
<td>Sergeant Bluff</td>
</tr>
<tr>
<td>Nicholas John Burns</td>
<td>West Des Moines</td>
</tr>
<tr>
<td>Rashell Ashly Cervantes</td>
<td>Glenwood</td>
</tr>
<tr>
<td>Adam D. Christophersen</td>
<td>Northfield, Minn.</td>
</tr>
<tr>
<td>Scott James Crowther</td>
<td>Cedar Rapids</td>
</tr>
<tr>
<td>Bartosh Edward Dvorak</td>
<td>Guttenberg</td>
</tr>
<tr>
<td>McKenize Renee Fisher</td>
<td>Johnston</td>
</tr>
<tr>
<td>Amanda Jayne Fray</td>
<td>Jefferson</td>
</tr>
<tr>
<td>Daniel J. Frein</td>
<td>Mason City</td>
</tr>
<tr>
<td>Thomas J. Hershberger</td>
<td>Kalona</td>
</tr>
<tr>
<td>Alex Kirk Klatt</td>
<td>Rochelle, Ill.</td>
</tr>
<tr>
<td>Scott Allen Mottet</td>
<td>Bellevue</td>
</tr>
<tr>
<td>Bridget Ann Niedermeyer</td>
<td>Pisgah</td>
</tr>
<tr>
<td>Andrew David Oswald</td>
<td>Polk City</td>
</tr>
<tr>
<td>Lasanya Vidhushi Rambukwella</td>
<td>Battaramulla, Sri Lanka</td>
</tr>
<tr>
<td>Jessica Marie Slinger</td>
<td>Faribault, Minn.</td>
</tr>
<tr>
<td>Katie C. Sweetin</td>
<td>Overland Park, Kans.</td>
</tr>
<tr>
<td>Bailey Sue Thompson</td>
<td>Grinnell</td>
</tr>
<tr>
<td>Tyler Verith Winegar</td>
<td>Solon</td>
</tr>
<tr>
<td>Brett Gregory Wulfekuhle</td>
<td>Masonville</td>
</tr>
<tr>
<td>Emily Kathryn Yaddof</td>
<td>McGregor</td>
</tr>
<tr>
<td>Mark E. Zikra</td>
<td>Bettendorf</td>
</tr>
</tbody>
</table>

### Major in Operations and Supply Chain Management

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>James Porter Gray</td>
<td>Waukegan, Ill.</td>
</tr>
</tbody>
</table>

### Multiple Curricula and Majors

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>** Claire Frances Bisanz</td>
<td>Saint Paul, Minn.</td>
</tr>
<tr>
<td>Marketing and Liberal Arts and Sciences: Major in Spanish</td>
<td></td>
</tr>
<tr>
<td>Sarah T. Hansen</td>
<td>Bouton</td>
</tr>
<tr>
<td>Marketing and Management</td>
<td></td>
</tr>
<tr>
<td>Elizabeth M. Hedlund</td>
<td>Shoreview, Minn.</td>
</tr>
<tr>
<td>Accounting and Marketing</td>
<td></td>
</tr>
<tr>
<td>** Kathleen Elizabeth Kellogg</td>
<td>Eagan, Minn.</td>
</tr>
<tr>
<td>Marketing and International Business</td>
<td></td>
</tr>
<tr>
<td>Michael Scott Monachino</td>
<td>West Des Moines</td>
</tr>
<tr>
<td>Accounting and Finance</td>
<td></td>
</tr>
<tr>
<td>** Kelsey Ann Nearmyer</td>
<td>Monroe</td>
</tr>
<tr>
<td>Accounting and Finance</td>
<td></td>
</tr>
<tr>
<td>Adam Jay Negen</td>
<td>Pella</td>
</tr>
<tr>
<td>Finance and Management</td>
<td></td>
</tr>
<tr>
<td>** Barbara Pawlikowski</td>
<td>Story City</td>
</tr>
<tr>
<td>Finance and Liberal Arts and Sciences: Major in Economics</td>
<td></td>
</tr>
<tr>
<td>** Allison Hannah Stewart</td>
<td>Ankeny</td>
</tr>
<tr>
<td>Finance and Marketing</td>
<td></td>
</tr>
<tr>
<td>Nicholas Addam Woodley</td>
<td>Wyoming</td>
</tr>
<tr>
<td>Management and International Business</td>
<td></td>
</tr>
<tr>
<td>** Fanny Lorena Wu-Fung</td>
<td>Cartago, Costa Rica</td>
</tr>
<tr>
<td>Operations and Supply Chain Management and Logistics and Supply Chain Management</td>
<td></td>
</tr>
</tbody>
</table>
CANDIDATES FOR DEGREES
FROM THE COLLEGE OF DESIGN

BACHELOR OF ARCHITECTURE

Curriculum in Architecture

Adam Lawrence Deaton  Dubuque

BACHELOR OF ARTS

Curriculum in Art and Design

Trisha Lee Kirkegaard  Reynolds, Ill.

BACHELOR OF FINE ARTS

Curriculum in Graphic Design

Aaron Matthew Bunge  Williamsburg
Patrick Kunvatananagarn  Ames
Peter Healey Montag  Cedar Rapids
Samuel Shun Yiu Tang  Ping Tung, Taiwan

Curriculum in Integrated Studio Arts

Faye Rose Gilbert  Bettendorf
Thomas L. McDonald  Moline, Ill.
Daniel Lee Stender  Ames
***† Yue Wei  Chengdu, China
Elizabeth Alice Williams  Des Moines

Multiple Curricula and Majors

Emily Elizabeth Bibler  Granger
  Graphic Design and Liberal Arts and
  Sciences: Major in Spanish

* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
Bachelor of Landscape Architecture

Curriculum in Landscape Architecture

Emily Lauren Brodersen  Lincoln, Neb.

Bachelor of Science

Curriculum in Community and Regional Planning

Matthew Mark Eggers  Des Moines
Monique Nicholle Hawkins  The Colony, Tex.
Justin Scott Peterson  Nevada
Jonathan Paul Sherwood  Nevada

* 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
- Matthew William Burkhalter, Cedar Rapids, Iowa
- Lucas Richard Hunziker, Gilbert, Iowa
- Yun Jong Ohm, Seoul, South Korea

#### Curriculum in Agricultural Engineering
- Phillip Tedja, Ames, Iowa

#### Curriculum in Chemical Engineering
- Joshua Evan Buyert, Ames, Iowa
- Anthony Patrick Colombari, Davenport, Iowa
- Patrick Charles Hermiston, Donalhue, Iowa
- Jessica Rose Tobelmann, Plymouth, Minn.
- Julia Christine Wiggen, Duluth, Minn.

#### Curriculum in Civil Engineering
- Ali Mohammad Elahi, Cedar Falls, Iowa
- Lanie Mae Jarr, Bloomfield, Iowa
- Jing Luo, Longnan, China
- Chase Thomas Schrage, Henderson, Iowa
- Owen Wilhelm Steffens, Henderson, Iowa

#### Curriculum in Computer Engineering
- Nicholas Martin Oakman, Davenport, Iowa

#### Curriculum in Construction Engineering
- Benjamin Douglas Harriman, Story City, Iowa
- Matthew Scott Karns, Urbandale, Iowa
- Ryan Scott McGregor, Waukee, Iowa
- Brad Lee Meyer, Waukee, Iowa
- Nicholas Todd Roberts, Elgin, Minn.
- Nathaniel Shawn Stevenson, Urbandale, Iowa
- Tanner Joe Wilks, Gowrie, Iowa
- Matthew Cole Zaletel

#### Curriculum in Electrical Engineering
- William T. Christensen, Bethlehem, Pa.
- Joshua Matthew Dunham, Bettendorf, Iowa
- Luis Alberto Garcia, West Des Moines, Iowa
- Sungho Yoon, Seoul, South Korea
- Kyle Ryan Veugeler, Crystal Lake, Ill.
- Seokhyun Kang, Seoul, South Korea

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* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
**Curriculum in Industrial Engineering**

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**Curriculum in Mechanical Engineering**

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**Curriculum in Software Engineering**

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**Multiple Curricula and Majors**

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* Cum Laude
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*** Summa Cum Laude
† Honors Program
‡ Degree Conferred Posthumously July 12, 2010
CANDIDATES FOR DEGREES  
FROM THE COLLEGE OF HUMAN SCIENCES

BACHELOR OF SCIENCE

Curriculum in Apparel Merchandising, Design, and Production

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Curriculum in Child, Adult, and Family Services

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Curriculum in Diet and Exercise

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<tr>
<td>**</td>
<td>Amber Ann Appleton</td>
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Curriculum in Dietetics

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<td>Maggie Jordan Roos</td>
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## Curriculum in Early Childhood Education

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<td>Deborah Ann Kohlhaas</td>
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<td>** Meredith Margaret Poe</td>
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## Curriculum in Elementary Education

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## Curriculum in Family and Consumer Sciences Education and Studies

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<td>Brandee Lee Eckenrod</td>
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## Curriculum in Family Finance, Housing, and Policy

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<td>Seth Byron Miller</td>
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## Curriculum in Food Science

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<td>Huey Shin Gan</td>
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## Curriculum in Health and Human Performance

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## Curriculum in Hotel, Restaurant, and Institution Management

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<td>Abbey Lee Gessmann</td>
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## Curriculum in Kinesiology and Health

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Nichole Lynn Ringgenberg Kelley
* Susan Ann Schmit Jesup
Molly Ann Steinkamp Carroll
* Kate Elizabeth Tonsfeldt Cedar Rapids
Tatyana M. Vaysfeld West Des Moines

Travis Michael Waters Des Moines
Chelsea LaDeen Williams Glendora, Calif.
Nichole Elizabeth Wittmayer Waverly
David Charles Wonders Waukee
* Courtney Chase Wray Overland Park, Kans.

Multiple Curricula and Majors

** Lindsay Marie Ogden Centerville
Hotel, Restaurant, and Institution
Management and Liberal Arts and Sciences:
Major in Journalism and Mass
Communication
## Candidates for Degrees

**From the College of Liberal Arts and Sciences**

### Bachelor of Arts

**Curriculum in Liberal Arts and Sciences**

#### Major in Advertising

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<td>*† Caroline Bailey Lewis</td>
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#### Major in Anthropology

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<td>Michael J. Di Marco</td>
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#### Major in Biological/Premedical Illustration

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#### Major in Communication Studies

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#### Major in English

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#### Major in History

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### Major in Interdisciplinary Studies (Criminology and Criminal Justice)

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<tr>
<td>Rashawn Lavalle Parker</td>
<td>Ponca City, Okla.</td>
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<tr>
<td>Joshua Michael Walker</td>
<td>Muscatine</td>
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<tr>
<td>Philip Anthony Wallace</td>
<td>Jefferson</td>
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<tr>
<td>Jessie Serena Warren</td>
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<tr>
<td>Andrew David Werning</td>
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### Major in Journalism and Mass Communication

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<tr>
<td>Shaylon Paul Cochran</td>
<td>Creston</td>
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<tr>
<td>Morgan Sidney Dowdall</td>
<td>Mount Carroll, Ill.</td>
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<tr>
<td>Annie Brooke Gardner</td>
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<tr>
<td>Russell James Hinkeldey</td>
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<tr>
<td>Timothy Wade Miller</td>
<td>Rockford</td>
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<tr>
<td>Trevor David Patch</td>
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<tr>
<td>Tawnee Christine Rebhuhn</td>
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<td>Nathan M. Sandell</td>
<td>Maple Grove, Minn.</td>
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<td>Katie Marie Walker</td>
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<tr>
<td>Erik Wylbur Wheater</td>
<td>Clive</td>
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<tr>
<td>Tammy Lynn Wismann</td>
<td>Denver, Colo.</td>
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<tr>
<td>Elizabeth Wong</td>
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### Major in Linguistics

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<th>Name</th>
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<tbody>
<tr>
<td>Joshua Ryan Gilmore</td>
<td>Ankeny</td>
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### Major in Music

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Hien Thi Nhu Nguyen</td>
<td>Marion</td>
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### Major in Performing Arts

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<tr>
<td>Ashley Fawn Kirchner</td>
<td>Muscatine</td>
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<tr>
<td>Carolyn Treftz Taylor</td>
<td>Minneapolis, Minn.</td>
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### Major in Philosophy

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### Major in Political Science

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<tr>
<td>Angela Lynn Brown</td>
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<td>Christopher Andrew Countryman</td>
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<tr>
<td>Ryan Lee Crampton</td>
<td>Kiron</td>
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<tr>
<td>Justin James Gizicki</td>
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<tr>
<td>Michael W. Heilman</td>
<td>Ankeny</td>
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<tr>
<td>Tracy Ann Jones</td>
<td>Council Bluffs</td>
<td></td>
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<tr>
<td>Drew David Koeller</td>
<td>West Des Moines</td>
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<tr>
<td>David Jeffrey Mason</td>
<td>Des Moines</td>
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<tr>
<td>Eric Robert Thorsbakken</td>
<td>Huxley</td>
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<tr>
<td>Brian Jeffrey Witt</td>
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<tr>
<td>Joseph Thomas Yassin</td>
<td>Des Moines</td>
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* Cum Laude
* * Magna Cum Laude
* * * Summa Cum Laude
† Honors Program
### Major in Psychology

<table>
<thead>
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<th>Name</th>
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<tbody>
<tr>
<td>James Alan Aldrich</td>
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<tr>
<td>Rebecca Jayne Anderson</td>
<td>Stratford</td>
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<td>Joshua Douglas Bowen</td>
<td>Johnston</td>
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<tr>
<td>Michael Ian Griffin</td>
<td>Bloomfield</td>
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<tr>
<td>Dustin Adam Hartley</td>
<td>Lenox</td>
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<tr>
<td>Brandon Allen Mesler</td>
<td>Cherokee</td>
</tr>
<tr>
<td>Jason Allen Tapps</td>
<td>Van Meter</td>
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</table>

### Major in Russian Studies

| * Katie Marie Walker        | Cedar Rapids |

### Major in Sociology

| Elizabeth M. Struck         | Des Moines  |

### Major in Spanish

| * Samantha Kay Weiss        | Fort Dodge  |

### Multiple Curricula and Majors

| *** Peter Matthew Anderson  | West Des Moines |
| Advertising and English     |               |
| * Gavin Jarl Aronsen        | Ankeny        |
| Journalism and Mass Communication and Environmental Studies |       |
| Adam Robert Clark           | Maquoketa     |
| Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology |   |
| Matthew M. Eggers           | Le Grand      |
| Communication Studies and Sociology |   |
| Theodora Joy Madison        | Coon Rapids   |
| Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology |   |
| Kit Austin Mason            | Ames          |
| Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology |   |
| Elizabeth Anne Mettillé     | Ames          |
| Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology |   |
| Erika Jazmin Montoya Gamez  |               |
| Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology |   |
| Jessica Lynn Riesberg       | Carroll       |
| Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology |   |
| Jaleeta Rogers              | Raleigh, N.C. |
| Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology |   |
| ** Nicole Marie Ross        | Illinois City, Ill. |
| Religious Studies and Sociology |     |
| John T. Strong              | Des Moines    |
| Political Science and Philosophy |   |
| Christina Gabrielle Vik     | Ashland, Wis. |
| Political Science and International Studies |   |
### Bachelor of Liberal Studies

**Curriculum in Liberal Studies**

<table>
<thead>
<tr>
<th>Name</th>
<th>City, State</th>
<th>Name</th>
<th>City, State</th>
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<tbody>
<tr>
<td>Austin Max Alburtis</td>
<td>Dallas, Tex.</td>
<td>Claudia Rosmery López</td>
<td>Evanston, Ill.</td>
</tr>
<tr>
<td>Dani Rae Berry</td>
<td>Sac City</td>
<td>Dara Jo Waddell Poorman</td>
<td>Ames</td>
</tr>
<tr>
<td>Kati Jo Bornhoft</td>
<td>Manilla</td>
<td>Anna Caroline Robey</td>
<td>Cincinnati, Ohio</td>
</tr>
<tr>
<td>Alan John Ferden</td>
<td>Lewisville, Tex.</td>
<td>Amanda Catherine Vagle</td>
<td>Estherville</td>
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<tr>
<td>Sara Ann Gilliam</td>
<td>West Des Moines</td>
<td>Eric Joseph Wenke</td>
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<tr>
<td>Brenda Kay LaGrone</td>
<td>McKinney, Tex.</td>
<td>Carolyn Ann Williams</td>
<td>Johnston</td>
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<tr>
<td>Olivia Grace Langenberg</td>
<td>Ames</td>
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### Bachelor of Music

**Curriculum in Music**

<table>
<thead>
<tr>
<th>Name</th>
<th>City, State</th>
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<tbody>
<tr>
<td>Christopher Stephen Ebke</td>
<td>Council Bluffs</td>
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### Bachelor of Science

**Curriculum in Software Engineering**

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<th>Name</th>
<th>City, State</th>
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<tr>
<td>Alex Jamal Kharbush</td>
<td>Iowa City</td>
<td>Jonathan T. Salvador</td>
<td>Ames</td>
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### Bachelor of Science

**Curriculum in Liberal Arts and Sciences**

**Major in Biochemistry**

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<tr>
<td>Mohamed Humad</td>
<td>West Des Moines</td>
<td>Junko Yamamoto</td>
<td>Tokyo, Japan</td>
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<tr>
<td>Jennifer Ruth Robinson</td>
<td>Cedar Rapids</td>
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**Major in Biology**

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<th>Name</th>
<th>City, State</th>
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<tr>
<td>Angelina Marie Alvarez</td>
<td>Harker Heights, Tex.</td>
<td>Alyssa Ann Eckholt</td>
<td>Mason City</td>
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<tr>
<td>Poojya Vellareddy Anantharam</td>
<td>Gilbert</td>
<td>Joanna Marie Engelkemier</td>
<td>Cedar Rapids</td>
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<tr>
<td>Alexandria Judith Budd</td>
<td>Ames</td>
<td>Sarah Jane Feely</td>
<td>Fairmont, Minn.</td>
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<td>Ethan Thomas Kvasnak</td>
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**Major in Chemistry**

<table>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Hansol Lee</td>
<td>Yongin, South Korea</td>
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* Cum Laude
* * Magna Cum Laude
* * * Summa Cum Laude
† Honors Program
### Major in Computer Science

<table>
<thead>
<tr>
<th>Student Name</th>
<th>City, Country</th>
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<tbody>
<tr>
<td>Brian Scott Bicknell</td>
<td>Bettendorf</td>
</tr>
<tr>
<td>Jinwoo Park</td>
<td>Youngju, South Korea</td>
</tr>
<tr>
<td>Meirbek Safiyanov</td>
<td>Aktobe, Kazakhstan</td>
</tr>
<tr>
<td>† Honors Program</td>
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### Major in Economics

** Crysten Marie Glawe  New Ulm, Minn.

### Major in Environmental Science

Andrew James White  Ames

### Major in Geology

<table>
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<tr>
<th>Student Name</th>
<th>City, Country</th>
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<tbody>
<tr>
<td>Jaimie Michael Addy</td>
<td>Moorhead</td>
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<tr>
<td>** Elizabeth Louise Boal</td>
<td>Maple Grove, Minn.</td>
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<td>John Michael Gizicki</td>
<td>Bettendorf</td>
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<td>Joseph William Wells</td>
<td>Bettendorf</td>
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### Major in History

<table>
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<tr>
<th>Student Name</th>
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<tbody>
<tr>
<td>Jaimie Michael Addy</td>
<td>Moorhead</td>
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<tr>
<td>Nicholas Brian Cox</td>
<td>Garden City</td>
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<tr>
<td>Maureen Anna Elizabeth Hanson</td>
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<tr>
<td>Spencer John Jans</td>
<td>Stanthope</td>
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<tr>
<td>Philip Clark Leffel IV</td>
<td>Minnetonka, Minn.</td>
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<tr>
<td>Shane Andrew Lucas</td>
<td>Roscoe, Ill.</td>
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<td>Ryan Nicholas Simons</td>
<td>Grimes</td>
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<td>Justin Richard Whitty</td>
<td>Dubuque</td>
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### Major in Journalism and Mass Communication

**† Casey Ann Bachman  Monona
| Jaeyun Bai                        | Seoul, South Korea      |
| Korie A. Downs                    | Milo                    |
| Shane Andrew Lucas                | Roscoe, Ill.            |
| Rashah Yvonne McChesney           | Alvin, Tex.             |
| Erin Alyce Oftelie                | Ames                    |
| Kyle O. Peterson                  | Casselton, N. Dak.      |
| Bethany Angela Pint               | Fairbank                |
| Bridgette Casey Rourick           | Ankeny                  |
| Lyndsey Marie Van Soelen          | Pella                   |
| Emily Jo Zimmerman               | Council Bluffs           |

### Major in Mathematics

Nicholas James Abdallah  Des Moines

### Major in Meteorology

Nicole L. Barbee  Omaha, Neb.
## Major in Psychology

### ***
- Riebana Elisabeth Biegel  
  Seevetal, Germany  
- Patience Nyenpanoh Cheneyon  
  Des Moines  
- Jessica Ann Colby  
  Lake Mills  
- Alexander Edwin Drake  
  Walnut  
- Lindsey Nicole Harmsen  
  Davenport  
- Emily Jo Kellen  
  Le Mars  
- Alexander Michael Khounlavouth  
  Des Moines

### **
- Jennifer Anne Klonglan  
  West Des Moines  
- Amanda Marie Kopp  
  Ralston, Neb.

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<td>Nicole Lepore</td>
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<td>Travis Alan Nelsen</td>
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<td>Emily June Nern</td>
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<td>Kathleen Marie Penick</td>
<td>Grayslake, Ill.</td>
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<td>Chase Charles Risinger</td>
<td>Walnut</td>
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<td>Rajendra Thakoor</td>
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<tr>
<td>Amy Ruth Wykle</td>
<td>Hubbard</td>
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## Major in Sociology

- Fabian I. Awnyai  
  Omaha, Neb.
- Christopher Ryan Bright  
  Des Moines
- Laura Ann Dammarell  
  Brownville, Ill.
- Candace Amelia Huffman  
  Ames

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<td>Aimee Sue Kuehn</td>
<td>Ionia</td>
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<td>Amber Rae Ramsey</td>
<td>Boone</td>
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<td>Mary Ellen Joynt Scioneaux</td>
<td>Stacyville</td>
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<tr>
<td>Trena Marie Thome</td>
<td>Stacyville</td>
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## Major in Technical Communication

- Emily Kathryn Yaddof  
  McGregor

## Multiple Curricula and Majors

- Kristin Lee de Koning  
  Rock Rapids  
  Sociology and Interdisciplinary Studies  
  (Criminology and Criminal Justice)
- Christina Marie Movick  
  Joice  
  Psychology and Sociology
CANDIDATE FOR THE DEGREE
FROM THE COLLEGE OF VETERINARY MEDICINE

DOCTOR OF VETERINARY MEDICINE

Caitlin Michelle Edwards   San Diego, Calif.
PAST HONORARY DEGREE RECIPIENTS

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

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

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

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

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

1887: Luther Foster, Master of Agriculture.

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

1887: E. W. Stanton, Master of Science; received B.S. in 1872 from 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: Matte Locke Macomber, Master of Philosophy; received B.S. in 1872 from Iowa State in the first graduating class.

1897: James L. Geddes, Master of Philosophy; world-famed naturalist and zoologist.

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


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 Science; head of the Department of Dairy Husbandry Farms at St. Paul, Minnesota.

1916: Herbert Osborn, Doctor of Science; helped organize the Iowa Academy of Science.

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

1920: Isabelle Bevier, Doctor of Science; recognized for her work in plant rust.

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

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: A. S. Hitchcock, Doctor of Science; 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; distinguished champion 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; distinguished champion of the suffragist and peace movement and organizer of the League of Women Voters.

1922: Henry C. Wallace, Doctor of Laws; U.S. Secretary of Agriculture.

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


1926: Matt Luckiesh, Doctor of Science.

1928: George R. Chatburn, Doctor of Engineering; head of the Department of Civil Engineering at the University of Nebraska.

1928: W. K. Robbins, Doctor of Science; outstanding agricultural chemist.
1928: Edward A. Sherman, Doctor of Science.
1929: Clifford P. Fitch, Doctor of Science.
1929: Thomas H. MacDonald, Doctor of Science; first Secretary and Highway Engineer for the Iowa Highway Commission.
1934: Henry Agard Wallace, Doctor of Science; U.S. Secretary of Agriculture; was Vice President under Franklin D. Roosevelt.
1936: Raymond Molyneaux 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; professor of mathematics and dean of the Junior College at Iowa State.
1942: George Harrison Shull, Doctor of Science.
1944: Rush B. Lincoln, Doctor of Science.
1945: Thomas Ray Stanton, Doctor of Agriculture.
1947: Mabel Campbell, Doctor of Science; honorary degree conferred at the convocation celebrating 75 years of home economics at 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; received B.S. in mechanical engineering in 1892 and B.S. in electrical engineering in 1893 from 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; chief of the U.S. Forest Service.
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; faculty member at Iowa State College for a short time; distinguished historian of American livestock; author of American Sheep Trails.
1952: Roscoe C. Pollock, Doctor of Agriculture; received B.S. in 1913 and a professional Master of Agriculture on June 15, 1921 from Iowa State.
1952: Ruth Buxton Sayre, Doctor of Laws; outstanding woman in Iowa agriculture; helped found Associated Country Women of the World; was 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; U.S. Secretary of Agriculture.
1953: Fred T. Whiting, Doctor of Engineering; employed by Westinghouse Company for many years; vice president for Westinghouse Company in charge of the Northwest district.
1954: Thomas Roy Truax, Doctor of Agriculture; 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; dean of veterinary medicine, Iowa State.
1958: Ralph Kenneth Bliss, Doctor of Science; director of Agriculture and Home Economics Extension 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; 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.
1958: Edward Bertram Evans, Doctor of Science; received D.V.M. in 1918 from Iowa State; attended Iowa State some summers in the 1930’s; the centennial program carried the following, "Veterinarian, Agricultural Educator."
1958: Theodore V. Houser, Doctor of Science; president of Sears Roebuck and Co.
1958: Henry H. Kildee, Doctor of Science; head of the Department of Animal Husbandry and Dean of Agriculture, Iowa State.
1958: Allan Blair Kline, Doctor of Science; president of the American Farm Bureau.
1958: Beth Baily McLean, Doctor of Science; received M.S. in 1933 from 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 Snedcor, 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.


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; received B.S. in 1894; M.S. 1896; first African-American Student at Iowa State; world renowned plant scientist.

1994: Hugh S. Sidey, Doctor of Humane Letters; 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.


1997: Simon Estes, Doctor of Humane Letters; studied in 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 agricultural economics helping to improve the quality of life in rural America.

1997: Emery N. Castle, Doctor of Humane Letters; recognized for his outstanding achievements in agricultural science; 1991: Raymond F. Baker, Doctor of Science; recognized for his extraordinary achievements as a biochemist and for promoting peace in the Middle East and throughout the world.

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.

1998: Morris Soller, Doctor of Science; recognized for leading the way in the actual discovery of genetic science.

2000: John Vincent Atanasoff, Doctor of Science; 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.

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

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; an internationally recognized leader in carbohydrate research for more than half a century; Iowa State previously honored him with the Distinguished Achievement Citation, the highest award granted to university alumni.

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; provided technical and managerial leadership for some of the country’s most important technological achievements; widely respected by the nation’s military and civilian leaders, often sought for advice on national security goals.

2006: Graham B. Spanier, Doctor of Humane Letters; 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.
2006: Monkombu Sambasivan Swaminathan, Doctor of Humane Letters; educated in India and received the 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, and also served as president of the Council of State Governments, and chairman of the National Governors' Association, Midwestern Governors' Association, Republican Governors' Association and Educational Commission of the States; 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; 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. Most of his childhood spent in Fort Dodge, Iowa; B.S. in Chemical Engr. from University of Illinois; Ph.D. in chemistry from Wisconsin; 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. Served as a director on more than 40 public and private boards. He and his wife 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; president, Arizona State University. Bachelor's degree, 1977, political science and environmental studies, Iowa State; Ph.D., 1985, Maxwell School of Citizenship and Public Affairs, Syracuse University; faculty member: University of Kentucky, Columbia University, Iowa State (1986-1991). 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; former U.S. Ambassador to the Kingdom of Cambodia; president, World Food Prize Foundation. Native of Dubuque, Iowa, graduate of Wahlert High School and Loras College; 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; 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; Epidemiologist and Medical Director of the Iowa Department of Public Health for the state of Iowa. B.S. University of Wisconsin, Stevens Point; Master of Public Health from Johns Hopkins University; and M.D. from the University of Wisconsin, Madison.

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; 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. B.S. degree in chemistry from Iowa State University, and a Ph.D. from the University of Wisconsin.