Dear Iowa State University Graduates and Guests:

Welcome to Iowa State University’s Summer 2009 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 152nd 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 Bells of Iowa State .................................................................................................... Back of Program
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 dates back to medieval times. Gowns (long, full robes) and cloaks with hoods were common garb and may have been chosen in part because of the unheated buildings frequented by medieval scholars.

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. It dictates the bachelor’s gown has pointed sleeves; the master’s gown has oblong sleeves with an arc at the bottom; and the doctorate gown has bell-shaped sleeves.

The 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. A presidential gown has four bars on 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 while in America, bachelor’s and master’s candidates wear black gowns.

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.

Tassel colors for baccalaureate degree candidates are:
- 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

**Iowa State University Doctoral Regalia**

In May 2008, as part of its sesquicentennial celebration, Iowa State University debuted custom-designed doctorate regalia. The ISU president, provost and doctoral recipients, including faculty with ISU doctorates, wear the ISU regalia.

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 hood gives color to the academic costume while its length indicates the wearer’s academic degree. 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 hood’s 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.

At Iowa State, hoods are worn by doctorate degree recipients, honorary degree recipients and other officials of the ceremony.

**Presidential Regalia**

The president is a focal point of the university commencement and therefore wears regalia unique to Iowa State University.

By academic code, the presidential gown is distinguished from other doctoral gowns with the addition of the fourth chevron (velvet bar) to each sleeve, symbolizing the president’s rank and authority as the chief official of the institution regardless of degrees earned. Only the president of an academic institution receives this honor.
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.

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 who 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 of 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 designated 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 first colleges: Veterinary Medicine, Engineering, Industrial Science, Home Economics, and Agriculture. Two of VEISHEA’s long-standing traditions are individual cherry pies and the musical production “Stars Over VEISHEA.”

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

• 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. Fortunately the bad luck can be averted by throwing a coin into the Fountain of Four Seasons.

• 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.
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.
Platform Officials

Gregory L. Geoffroy, President of the University
Patty J. Judge, Lieutenant Governor of Iowa, and Commencement Speaker
Elizabeth Hoffman, Executive Vice President and Provost
David K. Holger, Associate Provost for Academic Programs and Dean of the Graduate College
Sharron S. Quisenberry, Vice President for Research and Economic Development
Dione D. Somerville, Dean of Students
Michelle Stotts, Vice President of the Iowa State University Alumni Association
Kathleen M. Jones, Assistant Vice President for Enrollment and Registrar of the University
Pamela J. White, Dean of the College of Human Sciences
Jonathan A. Wickert, Dean of the College of Engineering
Katherine Schwennsen, Associate Dean of the College of Design
Kay M. Palan, Associate Dean of the College of Business
Joe P. Colletti, Associate Dean of the College of Agriculture and Life Sciences
Dawn Bratsch-Prince, Associate Dean of the College of Liberal Arts and Sciences
Eldon K. Uhlenhopp, Associate Dean of the College of Veterinary Medicine
David J. Gregory, Associate Dean of the Library

Faculty Representatives and Presenting Professors

Stephen M. Aigner, Sociology
Mufit Akinc, Materials Science and Engineering
Philip W. Becraft, Genetics, Development and Cell Biology
Sharon R. Bird, Sociology
Robert H. Bosselman, Apparel, Educational Studies, and Hospitality Management
Mark Bryden, Mechanical Engineering
Alicia L. Carriquiry, Statistics
Chris Chu, Electrical and Computer Engineering
Dianne H. Cook, Statistics
Vikram Dalal, Electrical and Computer Engineering
Timothy R. Derrick, Kinesiology
Stephen J. Dinsmore, Natural Resource Ecology and Management
Nancy J. Evans, Educational Leadership and Policy Studies
Cynthia N. Fletcher, Human Development and Family Studies
Matt Frank, Industrial and Manufacturing Systems Engineering
Alan I. Goldman, Physics and Astronomy
Manimaran Govindarasu, Electrical and Computer Engineering
John C. Hill, Physics and Astronomy
Mei Hong, Chemistry
Xiaoqiu Huang, Computer Science
Neal R. Iverson, Geological and Atmospheric Sciences
Doug W. Jacobson, Electrical and Computer Engineering
Stephanie Jung, Food Science and Human Nutrition
Amr Kandil, Civil, Construction, and Environmental Engineering
Atul G. Kelkar, Mechanical Engineering
Wolfgang H. Kliemann, Mathematics
Song-Charng Kong, Mechanical Engineering
Monica H. Lamm, Chemical and Biological Engineering
Lisa M. Larson, Psychology
Patricia Leigh, Curriculum and Instruction
Ling Long, Mathematics
William Q. Meeker, Statistics
John A. Miranowski, Economics
Megan J. Murphy, Human Development and Family Studies
Deland J. Myers, Food Science and Human Nutrition
Balaji Narasimhan, Chemical and Biological Engineering
Marit Nilsen-Hamilton, Biochemistry, Biophysics, and Molecular Biology
Sigurdur Olafsson, Industrial and Manufacturing Systems Engineering
Say Kee Ong, Civil, Construction, and Environmental Engineering
Tanja I. Opriessnig, Veterinary Diagnostic and Production Animal Medicine
Peter A. Peterson, Agronomy
Gary D. Phye, Curriculum and Instruction
Thomas J. Rudolph, Aerospace Engineering
Alan M. Russell, Materials Science and Engineering
Geoffrey F. Sauer, English
Norman A. Scott, Psychology
Jennifer Shane, Civil, Construction, and Environmental Engineering
Jacqueline V. Shanks, Chemical and Biological Engineering
Randy C. Shoemaker, Agronomy
Lenola B. Sommerville, Curriculum and Instruction
Soko S. Starobin, Educational Leadership and Policy Studies
Kelly C. Strong, Civil, Construction, and Environmental Engineering
Shankar Subramaniam, Mechanical Engineering
Shihwu Sung, Civil, Construction, and Environmental Engineering
Patricia M. Swanson, Human Development and Family Studies
Ersan Ustundag, Materials Science and Engineering
John G. Verkade, Chemistry
Robert J. Weber, Electrical and Computer Engineering
Johnny S. Wong, Computer Science
Cindy L. Yu, Statistics
Edward W. Yu, Biochemistry, Biophysics, and Molecular Biology
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)
Frederick H. Dark, Associate Professor of Finance, College of Business
Richard E. Horton, Emeritus Professor of Electrical and Computer Engineering, College of Engineering
Joseph L. Muench, Associate Professor of Art and Design, College of Design

Gary D. Phye, Professor of Curriculum and Instruction, College of Human Sciences
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, Producer, WOI Radio

Marc Harding, Director of Admissions and Enrollment Services

Student Marshals

Presentation of College Banner

Jennifer R. Veltos, Graduate College
  Escorted by Geoffrey F. K. Sauer, Assistant Professor of English

Emily C. Eggleston, College of Agriculture and Life Sciences
  Escorted by C. Lee Burras, Professor of Agronomy

Shellie L. Mosman, College of Business
  Escorted by Marvin L. Bouillon, Associate Professor of Accounting

Andrew A. Kopp, College of Design
  Escorted by Joseph L. Muench, Associate Professor of Art and Design

Nicholas J. Heine, College of Engineering
  Escorted by James A. Heise, Lecturer in Mechanical Engineering

Samantha L. Young, College of Human Sciences
  Escorted by Lisa L. Enloe, Program Coordinator, College of Human Sciences

Kevin M. Kasper, College of Liberal Arts and Sciences
  Escorted by Kenneth J. Koehler, Chair of Statistics and Director of the Statistical Laboratory

Musicians

Conductor
Michael Golemo, Director of Bands

Vocalist
Simon Estes, Distinguished Artist in Residence

Trumpet
Matthew Butler
Matthew Gaunitz
Kevin Muehlenthaler
Conner Tipping
Chad Zimmermann

Horn
Sarah Baldus
Chloe Dedic
Lucinda Ferneau
Laura Larabee
Christopher Truckenmiller

Trombone
Allen Chace
Burton Hable
Jeffrey Schmitt
Justin Wang
Seth Zimmermann

Tuba
Aaron Schuck
John Carmicheal

Euphonium
Teresa Goeddle
Chad Nelson

Percussion
Evan Davis
Hillary Holmes
**COMMENCEMENT PROGRAM**

9:30 a.m., Saturday, August 8, 2009, 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

Commemoration Address

Patty J. Judge
Lieutenant Governor of Iowa

Interlude

*Climb Ev’ry Mountain* ........................................................................ Rodgers and Hammerstein
arr. Michael Golemo
Simon Estes, Vocalist

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

Student Recognitions

Provost Hoffman

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

Conferring of the Doctor of Philosophy Degree

President Geoffroy

Candidates from the Graduate College presented by David K. Holger,
Associate Provost for Academic Programs and Dean of the Graduate College

Conferring of the Master’s Degree

President Geoffroy

Candidates from the Graduate College presented by David K. Holger,
Associate Provost for Academic Programs and Dean of the Graduate College

Conferring of the Bachelor’s Degree

President Geoffroy

Candidates for the Bachelor’s Degree presented by Elizabeth Hoffman,
Executive Vice President and Provost
College of Agriculture and Life Sciences candidates recognized by Associate Dean Joe P. Colletti
College of Business candidates recognized by Associate Dean Kay M. Palan
College of Design candidates recognized by Associate Dean Katherine Schwennsen
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 Associate Dean Dawn Bratsch-Prince

The Class of 2009 and the Alumni Association

Michelle Stotts
Vice 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 Mousique* ...................................................................................... Tylman Susato
Commencement Speaker
Lt. Governor Patty Judge

Patty Judge is the Lieutenant Governor of Iowa. Prior to being elected to that position in 2006, she was twice elected to the Iowa Senate and served two terms as Iowa Secretary of Agriculture, the first woman elected to this post. Since taking office as Lieutenant Governor in January of 2007, she has been working closely with Governor Chet Culver to build “One Iowa, with One Unlimited Future” for everyone, and she is personally leading several of the efforts.

As a former nurse, she has utilized her experience in the hospital to help reform health care in Iowa by reducing smoking, promoting wellness, and increasing children’s access to quality, affordable health care.

For more than a decade, she has led the charge to make Iowa the nation’s leader in biofuels and continues with Governor Culver to expand Iowa’s status as a renewable energy leader in the world.

The wife and daughter to two veterans, Lt. Gov. Judge has worked with Governor Culver to ensure our returning heroes are welcomed home and given the respect and gratitude they deserve.

And as Iowa’s homeland security advisor, she played an instrumental role in responding to last year’s historic natural disasters, and laid the groundwork for rebuilding our state stronger and safer than before.

Finally, during these difficult economic times, she and Governor Culver have worked tirelessly to find new and innovative ways to strengthen our economy and put Iowans back to work; including the recently created I-JOBS program.
CANDIDATES FOR DEGREES
FROM THE GRADUATE COLLEGE

DOCTOR OF PHILOSOPHY

§ Ankit Agrawal  
Roorkee, India
B.Tech., Indian Institute of Technology
Roorkee
Major: Computer Science
Dissertation: Sequence-specific sequence
comparison using pairwise statistical
significance

†† Ahmet Alturk  
Mersin, Turkey
Lis., Mersin University;
M.S., Iowa State University
Department: Mathematics
Major: Applied Mathematics
Dissertation: Boundary functions for wavelets
and their properties

†† Jittinan Aukayanagul  
Bangkok, Thailand
B.A., Thammasat University;
M.S., University of Illinois-Urbana
Major: Economics
Dissertation: Three essays on renewable
backstop technology

†† Donna Carla Bailey  
Littleton, Colo.
B.S., Iowa State University;
M.S., Ibid.
Department: Psychology
Major: Psychology (Counseling Psychology)
Dissertation: Religious coping, trait
forgiveness, and meaning as protective
barriers for soldiers

†† Mindy Lyn Baker  
Williamsburg, Kans.
B.S., Emporia State University;
M.S., Ibid.
Major: Economics
Dissertation: Three essays concerning
agriculture and energy

Mukul Subodh Bansal  
New Delhi, India
B.S., International Institute of Information
Technology;
M.S., Iowa State University
Major: Computer Science
Dissertation: Algorithms for efficient
phylogenetic tree construction

†† Alex Jason Blom  
Estherville
B.S., Minnesota State University-Mankato
Department: Chemistry
Major: Physical Chemistry
Dissertation: Observation of excited state
charge transfer with fs/ps-CARS

Stephanie Lynn Bogart  
Livonia, Mich.
B.A., Miami University;
M.A., Iowa State University
Department: Anthropology
Major: Ecology and Evolutionary Biology
Dissertation: Behavioral ecology of savanna
chimpanzees (Pan troglodytes verus) with
respect to insectivory at Fongoli, Senegal

Wutthigrai Boonsuk  
Ames
B.B.A., Kasetsart University;
M.S., Iowa State University
Department: Industrial and Manufacturing
Systems Engineering
Major: Industrial Engineering
Dissertation: Automated separation of bone
joint structures for medical image
reconstruction

Scott Roger Broderick  
Ames
B.S., North Carolina State University
Major: Materials Science and Engineering
Dissertation: Statistical learning for alloy
design from electronic structure
calculations

Yanni Chen  
Wuhan, China
B.Econ., Zhongnan University of Economics
and Law;
B.Law, Ibid.;
M.Econ., Ibid.
Major: Economics
Dissertation: An economic analysis of
decisions on physical activity and energy
imbalance: cross-sectional evidence
from a panel of middle-aged adults

Chu-Lin Cheng  
Taichung, Taiwan
B.S., National Cheng Kung University;
M.S., Ibid.;
M.S., Iowa State University
Department: Civil, Construction and
Environmental Engineering
Major: Environmental Science
Dissertation: Permeation of organic
compounds through ductile iron pipe
gaskets
 Antony Mathai Chettoor  (Bangalore, India)
B.Sc., Bangalore University;
M.Sc., University of Roorkee
Department: Genetics, Development and Cell Biology
Major: Plant Biology
Dissertation: Regulation of aleurone cell fate determinants in Zea mays

Suh-Yeon Choi  (Seoul, South Korea)
B.S., Yonsei University;
M.S., Ibid.
Department: Genetics, Development and Cell Biology
Major: Genetics
Dissertation: Metabolomic and transcriptomic analysis of polyhydroxybutyrate (PHB) accumulating Arabidopsis and switchgrass: Unveiling metabolic consequences of bioplastic accumulation in plant plastids

Gregory John Colson  (Vienna, Va.)
B.A., University of Virginia;
M.S., Iowa State University
Major: Economics
Dissertation: Improving nutrient content through genetic modification: Evidence from experimental auctions on consumer acceptance and willingness to pay for intragenic foods

Jill L. Conlon  (Janesville, Minn.)
B.S., University of Wisconsin-Stout;
M.S., Minnesota State University-Mankato;
M.S., Ibid.
Department: Apparel, Educational Studies and Hospitality Management
Major: Family and Consumer Sciences Education
Dissertation: One-whole or one-half: A case study of an identical twin's exploration of personal identity through family perceptions

Kitty Shean Conover  (Spencer)
B.S., Iowa State University;
M.S., Drake University
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)
Dissertation: Leadership competencies of branch campus administrators in multi-campus community college systems

Ross Robert Conover  (Manchester, N.J.)
B.S., Unity College;
M.S., Mississippi State University
Department: Natural Resource Ecology and Management
Major: Animal Ecology
Dissertation: Grassland bird associations in a managed agricultural matrix

Tara Danielle Dekkers  (Sioux Center)
B.S., Dordt College;
M.S., Iowa State University
Major: Human Development and Family Studies
Dissertation: Qualitative analysis of couple decision-making

Cumhur Yusuf Demirkale  (Istanbul, Turkey)
B.S., Middle East Technical University;
M.A., Fatih University;
M.S., Iowa State University
Major: Statistics
Dissertation: Classical and Bayesian mixed model analysis of microarray data for detecting gene expression and DNA differences

Timothy Franklin Doherty  (Le Sueur, Minn.)
B.S., University of Minnesota
Department: Chemistry
Major: Analytical Chemistry
Dissertation: Investigations of cationic peptides in lipid membranes by solid-state NMR

Thanapong Duangmanee  (Bangkok, Thailand)
B.S., Chulalongkorn University;
M.S., Iowa State University
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Environmental Engineering) and Biorenewable Resources Technology
Dissertation: Micro-aeration for hydrogen sulfide removal from biogas

Deqiang Duanmu  (Jining, China)
B.Sc., Peking University;
M.Sc., Chinese Academy of Sciences
Department: Genetics, Development and Cell Biology
Major: Molecular, Cellular, and Developmental Biology
Dissertation: Putative inorganic carbon transport and accumulation systems associated with the CO₂ concentrating mechanism in Chlamydomonas reinhardtii
William Brent Edwards   
Menlo Park, Calif.  
B.S., California State University-Sacramento;  
M.S., Ibid.  
Department: Kinesiology  
Major: Kinesiology (Biological Basis of Physical Activity)  
Dissertation: Internal structural loading of the lower extremity during running: Implications for skeletal injury

Janet Elizabeth Emmerson   
Urbandale  
B.F.A., University of Wisconsin-Milwaukee;  
M.Educ., Iowa State University  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: Leading them to water: A study of the efficacy of a Mandatory Placement Project in first-year academic courses at a community college

Daniel L. Enz   
Platteville, Wis.  
B.S., University of Wisconsin-Platteville;  
M.C.E., University of Minnesota-Minneapolis  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Construction Engineering and Management)  
Dissertation: Construction project administration and management for mitigating work zone crashes and fatalities: An integrated risk management model

Cihan Erbas   
Istanbul, Turkey  
B.S., Istanbul Technical University;  
M.S., Ibid.  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: Validation of remotely-sensed soil moisture observations for bare soil at 1.4 GHz: A quantitative approach through radiative transfer models to characterize abrupt transitions caused by a ponding event in an agricultural field, modifications to the radiative transfer models, and a mobile ground-based system

Nathaniel Joseph Evans   
Princeton, Ill.  
B.S., Iowa State University;  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Dissertation: Information technology social engineering: an academic definition and study of social engineering - analyzing the human firewall

Terrence Lanier Frazier   
Cincinnati, Ohio  
B.S., Ohio University;  
M.Ed., Ibid.  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: African American college men holding leadership roles in majority white student groups

Sobieslaw Stanislaw Gacek   
Ames  
M.Ag., Warsaw University;  
Major: Mechanical Engineering  
Dissertation: Molecular dynamics simulation of shock waves in laser-material interaction

Jiquan Gao   
Houma, China  
B.Sc., Nankai University;  
M.Sc., China Agricultural University  
Department: Genetics, Development and Cell Biology  
Major: Microbiology  
Dissertation: Interactions between a yeast retrotransposon and its host that influence target specificity

Rahul Garg   
Chandigarh, India  
B.Tech., Indian Institute of Technology-Kharagpur;  
M.Tech., Ibid.;  
M.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Dissertation: System level energy management in networked real-time embedded systems

Sudha Anil Kumar Gathala   
Visakhapatnam, India  
B.Tech., Indian Institute of Technology-Kharagpur;  
M.Tech., Ibid.;  
M.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Dissertation: Computational modeling of multiphase fibrous flows for simulation based engineering design

Stephen Patrick Gent   
Keota  
B.S., Iowa State University;  
M.S., Ibid.  
Major: Mechanical Engineering  
Dissertation: Computational modeling of multiphase fibrous flows for simulation based engineering design

§ Research Excellence Award  
†† Teaching Excellence Award
Karen Gulbrandsen  
Viroqua, Wis.  
B.A., University of Wisconsin-Madison;  
M.T.P.W., Northeastern University  
Department: English  
Major: Rhetoric, Composition, and Professional Communication  
Dissertation: Bridging the valley of death: The rhetoric of technology transfer

Xiaofang Guo  
Pingyao, China  
B.S., University of Science and Technology of China  
Departments: Physics and Astronomy and Mathematics  
Majors: Condensed Matter Physics and Applied Mathematics  
Dissertation: Generic two-phase coexistence in the quadratic contact process

Guillermo Gutierrez  
Morelia, Mexico  
B.S., Instituto Tecnologico de Morelia; M.S., Ibid.  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: Information requirements for strategic decision-making: Energy market

Vernon Hall  
Brooklyn, N.Y.  
B.A., Saint Peter's College;  
M.Educ., Iowa State University  
Department: Curriculum and Instruction  
Major: Education  
Dissertation: Social justice and special education: Derailing the tracking of black males. A case study of Walt Whitman High School

† † Timothy Lee Hathway  
Pekin, Ill.  
B.S., Bradley University;  
M.S., Iowa State University  
Department: Chemistry  
Major: Organic Chemistry  
Dissertation: Titanium dioxide photocatalysis: studies of the degradation of organic molecules and characterization of photocatalysts using mechanistic organic chemistry

Andrew James Heidloff  
George  
B.S., Iowa State University  
Major: Materials Science and Engineering  
Dissertation: Development of Pt-modified y-Ni+y'-Ni,Al-based alloys for high-temperature applications

§ Yili Hong  
Jinhua, China  
B.S., University of Science and Technology of China;  
M.S., Iowa State University  
Major: Statistics  
Dissertation: Reliability prediction based on complicated data and dynamic data

Jing Huang  
Xiamen, China  
B.S., Xiamen University;  
M.S., Ibid.;  
M.S., University of Texas at Dallas  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: Directed control of discrete event systems

Benjamin Grant Jackson  
Rockwell  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Dissertation: Parallel methods for short read assembly

Bindu Joseph  
Ames  
B.Sc., Kerala Agricultural University;  
M.Sc., Tamil Nadu Agricultural University  
Department: Agronomy  
Major: Plant Breeding  
Dissertation: Genomic analysis of a major seed protein/oil QTL region on soybean linkage group I

Muthukkumar Kadavasal Sivaraman  
Chennai, India  
B.Eng., University of Madras;  
M.S., Iowa State University  
Department: Mechanical Engineering  
Major: Human Computer Interaction  
Dissertation: Virtual reality based multimodal teleoperation using mixed autonomy

Zhongbo Kang  
Wuhan, China  
B.S., Central China Normal University;  
M.S., Ibid.  
Department: Physics and Astronomy  
Major: Nuclear Physics  
Dissertation: QCD quantum correlation and multi-parton dynamics

§ Research Excellence Award  
† † Teaching Excellence Award
Scott Alexander Kaplan  
Deerfield, Ill.
B.S., University of Illinois-Urbana;
M.S., Iowa State University
Department: Psychology
Major: Psychology (Counseling Psychology)
Dissertation: Changing perceptions of seeking help: A test of the effectiveness of an intervention video

§ Daniel David Kemp  
Eldridge
B.S., Hillsdale College
Department: Chemistry
Major: Physical Chemistry
Dissertation: Ions, solutes and solvents, oh my!

Chang Sun Kong  
Ames
B.E., Myong Ji University;
M.S., Yonsei University;
M.S., University of Minnesota-Minneapolis
Major: Materials Science and Engineering
Dissertation: A materials informatics approach for crystal chemistry

Oluyemisi O. Kuku  
Ibadan, Nigeria
B.Sc., University of Ibadan;
M.S., Iowa State University;
M.S., Ibid.
Major: Human Development and Family Studies
Dissertation: Three essays on food insecurity and child welfare

§ Christopher Allen Kurth  
Bellevue, Neb.
B.S., University of Kansas
Major: Mathematics
Dissertation: Modular forms and modular symbols for noncongruence groups

Jong-Seok Lee  
Chuncheon, South Korea
B.E., Inha University;
M.S., Pohang University of Science and Technology
Department: Industrial and Manufacturing Systems Engineering
Major: Industrial Engineering
Dissertation: Preserving nearest neighbor consistency in cluster analysis

Nakhyung Lee  
Hongseong, South Korea
D.V.M., Kon-Kuk University;
M.S., Ibid.;
M.S., Iowa State University
Department: Veterinary Microbiology and Preventive Medicine
Major: Veterinary Microbiology
Dissertation: Characterization of an ATP-binding cassette (ABC) transport system involved in nucleoside uptake in Mycoplasma bovis strain M23, and discovery of its pathogenicity genes

Wen Li  
Ames
B.S., Peking University;
M.S., Iowa State University
Major: Statistics
Dissertation: Memory indicators and their incorporation into dynamic models

§ Yuanhong Li  
Meizhou, China
B.E., Tianjin University;
B.E., Ibid.;
M.Eng., Ibid.;
M.S., Kansas State University
Major: Mechanical Engineering
Dissertation: Enhancement of engine simulation using LES turbulence modeling and advanced numerical schemes

Robin Shaffer Lilienthal  
Newton
B.A., Iowa State University;
M.S., Ibid.
Department: Educational Leadership and Policy Studies
Major: Education (Educational Leadership)
Dissertation: The voices and experiences of College 101 students at Kirkwood Community College

Wendy Wishman Lingo  
Marion
B.A., University of Northern Iowa;
M.S., Wayne State College
Department: Educational Leadership and Policy Studies
Major: Education (Educational Leadership)
Dissertation: Leadership, loss, and healing: A study of women community college leaders who left the presidency

Darin Michael Madson  
Glenville, Minn.
B.S., University of Minnesota-Minneapolis;
D.V.M., Ibid.
Major: Veterinary Pathology
Dissertation: Vertical transmission of porcine circovirus type 2 in breeding herds

Tarek Said Mahfouz  
Ames
B.S., American University in Cairo;
M.S., Ibid.
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Construction Engineering and Management)
Dissertation: Construction legal support for differing site conditions (DSC) through statistical modeling and machine learning (ML)
Sandra Majoni  
*Chitungwiza, Zimbabwe*
B.S., University of Zimbabwe;  
M.S., University of Wisconsin-Stout
Department: Food Science and Human Nutrition  
Major: Food Science and Technology  
Dissertation: Oil recovery from condensed corn distillers solubles (CCDS)

Michael Patrick McLaughlin  
*Solon*
B.A., University of Iowa;  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: Community college nursing and allied health education programs, and Iowa’s healthcare workforce

Randy Alan Mead  
*Charles City*
B.A., University of Northern Iowa;  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: A comparison of the enrollment and academic success of dual credit and non-dual credit students at Des Moines Area Community College

Phillip J. Miller  
*Kalona*
B.S., Iowa State University;  
Department: Psychology  
Major: Psychology (Counseling Psychology)  
Dissertation: Personality as a potential moderator of the relationship between stigma and help-seeking

Ju Ming  
*Wuhan, China*
B.S., Wuhan University  
Department: Mathematics  
Major: Applied Mathematics  
Dissertation: Optimal control of stochastic flow

§ Peter L. Moore  
*St. Paul, Minn.*
B.A., Carleton College;  
M.S., Iowa State University  
Department: Geological and Atmospheric Sciences  
Major: Geology  
Dissertation: Dynamics of ice flow and sediment transport at a polythermal glacier terminus: Storglaciären, Sweden

Kathryn J. Morrison  
*Mitchell, S.Dak.*
B.S., South Dakota State University;  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Family and Consumer Sciences  
Dissertation: Delivery methods of financial information and sources of financial education as indicators of perceived financial well-being in South Dakota

Shibabrata Nandi  
*Jabagram, India*
B.Sc., Calcutta University;  
M.Sc., Indian Institute of Technology-Kanpur  
Department: Physics and Astronomy  
Major: Condensed Matter Physics  
Dissertation: X-ray resonant magnetic scattering investigations of hexagonal multiferroics $R\text{MnO}_3$ ($R = \text{Dy, Ho, Er}$)

John F. O’Connell  
*Des Moines*
B.S., Iowa State University;  
M.A., Drake University;  
M.A., Clarke College  
Department: Curriculum and Instruction  
Major: Education  
Dissertation: A model for assessing the effectiveness of professional development for improving student learning

Minhui Paik  
*Seoul, South Korea*
B.S., Korea University;  
M.S., Iowa State University  
Major: Statistics  
Dissertation: Fractional imputation

Allison Layne Pappas  
*Bloomington, Ind.*
B.S., Indiana University  
Department: Biochemistry, Biophysics, and Molecular Biology  
Major: Genetics  
Dissertation: Selection and characterization of RNA aptamers that detect a quaternary structure for ribosomal protein S7

§ Research Excellence Award  
†† Teaching Excellence Award
Gaurav Pranami  
New Delhi, India
B.Tech., Indian Institute of Technology-Delhi
Department: Chemical and Biological Engineering
Major: Chemical Engineering
Dissertation: Understanding nanoparticle aggregation

Laura Anne Rhoton  
Earville, Ill.
B.A., Northern Illinois University;
M.A., Ibid.
Major: Sociology
Dissertation: Practicing gender or practicing science? Gender practices of women scientists

Stacey Ann Roberts  
Nodaway
B.S., Iowa State University;
M.S., Ibid.
Department: Animal Science
Major: Nutritional Sciences (Animal Nutrition)
Dissertation: Effects of dietary corn distiller’s dried grains with solubles on ammonia emission, production performance, manure characteristics, and economic efficiency for laying hens

†† Guy William Sander II  
Wyndmere, N. Dak.
B.S., University of Minnesota-Duluth
Department: Chemical and Biological Engineering
Major: Chemical Engineering
Dissertation: Quantitative analysis of metabolic pathways in Catharanthus roseus hairy roots metabolically engineered for terpenoid indole alkaloid overproduction

Haroon Sseguya  
Masaka, Uganda
B.Sc., Makerere University;
M.Sc., Ibid.
Department: Sociology
Majors: Sustainable Agriculture and Sociology
Dissertation: Impact of social capital on food security in southeast Uganda

Ehren Dean Stover-Wright  
Des Moines
B.A., Drake University;
M.S., Iowa State University
Major: Sociology
Dissertation: A lattice analysis of social capital and related concepts in small Iowa towns

Chih-Chia Su  
Kaohsiung, Taiwan
B.S., National Dong-Hwa University
Department: Biochemistry, Biophysics, and Molecular Biology
Major: Biochemistry
Dissertation: Structural mechanism for multidrug efflux systems

Mesut Varlioglu  
Kirikkale, Turkey
B.S., Istanbul Technical University;
M.S., Illinois Institute of Technology
Major: Materials Science and Engineering
Dissertation: Mesoscale constitutive behavior of ferroelectrics

§ Jennifer R. Veltsos  
North Mankato, Minn.
B.S., University of Louisiana-Lafayette;
M.B.A., Ibid.;
M.A., Minnesota State University-Mankato
Department: English
Major: Rhetoric and Professional Communication
Dissertation: More than decoration: An investigation into the role of visual rhetoric and ethos in corporate visual identity

Jane Venes  
Waukon
B.A., University of Iowa;
M.E., University of Wisconsin-La Crosse;
M.F.A., Iowa State University
Department: Curriculum and Instruction
Major: Education
Dissertation: Design: Core commonalities: A study of the College of Design at Iowa State University

§ Research Excellence Award
† † Teaching Excellence Award
§ Natarajan Viswanathan  
Chennai, India
B.Eng., Mangalore University;  
M.S., Iowa State University  
Department: Electrical and Computer  
Engineering  
Major: Computer Engineering  
Dissertation: Placement techniques for the physical synthesis of nanometer-scale integrated circuits  
Rick Lee Woten  
Ottumwa  
B.S., Iowa State University;  
M.A., Ibid.  
Department: History  
Major: Agricultural History and Rural Studies  
Dissertation: Navigating internal improvement: Rivers, canals, and state formation in the nineteenth-century Midwest

† † Kuldeep Wadhwa  
Delhi, India
B.S., University of Delhi;  
M.S., Indian Institute of Technology-Delhi  
Department: Chemistry  
Major: Organic Chemistry  
Dissertation: Proazaphosphatranes: versatile molecules with applications in fuel cell technology, biodiesel production and important organic transformations

† † Wenxia Wu  
Hejiang, China
B.A., Beijing Normal University  
Department: Curriculum and Instruction  
Major: Education (Curriculum and Instructional Technology)  
Dissertation: Boundary issues in global virtual teams

Ruth Swanson Wagner  
St. Paul, Minn.
B.S., St. Mary’s University of Minnesota  
Department: Genetics, Development and Cell Biology  
Major: Genetics  
Dissertation: Analysis of differences in gene expression and the genetic regulation of transcript accumulation in maize inbred and hybrid lines

† † Qingluan Xue  
China
B.E., Nanjing University;  
M.E., Ibid.;  
M.S., Mississippi State University  
Department: Physics and Astronomy  
Major: Condensed Matter Physics  
Dissertation: Thermodynamic prediction of glass formation tendency, cluster-in-jellium model for metallic glasses, ab initio tight-binding calculations, and new density functional theory development for systems with strong electron correlation

Yongxin Yao  
Wujiang, China
B.Sc., Nanjing University;  
M.Sc., Ibid.  
Department: Physics and Astronomy  
Major: Condensed Matter Physics  
Dissertation: Thermodynamic prediction of glass formation tendency, cluster-in-jellium model for metallic glasses, ab initio tight-binding calculations, and new density functional theory development for systems with strong electron correlation

Xia Wang  
Changsha, China
B.Eng., Harbin Institute of Technology;  
M.Sc., Ibid.  
Major: Computer Science  
Dissertation: A systematic security approach in wireless mesh networks

† † Youzhi Yang  
Shanghai, China
B.Econ., Fudan University  
Major: Economics  
Dissertation: Essays on repeated moral hazard

Christopher E. Whitmer  
Wilson, Kans.
B.S., Kansas State University;  
M.S., Iowa State University  
Department: Mechanical Engineering  
Major: Mechanical Engineering  
Dissertation: An investigation of active structural acoustic control in resonant enclosures

® Brandon Riley Williams  
Maple Grove, Minn.
B.S., Iowa State University;  
M.S., Ibid.  
Department: Aerospace Engineering  
Major: Aerospace Engineering  
Dissertation: Estimation of grid-induced errors in computational fluid dynamics solutions using a discrete error transport equation

Scott H. Williams  
Omaha, Neb.
B.S., Iowa State University  
Major: Materials Science and Engineering  
Dissertation: In-situ neutron diffraction analysis of deformation behavior of ductile rare-earth intermetallic YCu

† † Ui-Jeen Yu  
Ames  
B.H.Ec., Sung Kyun Kwan University;  
M.S., Iowa State University  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Textiles and Clothing  
Dissertation: Relationship of body satisfaction to virtual product experience and perceived risk of product performance in online and multi-channel apparel shopping
Yusuf Yusufoglu  
Istanbul, Turkey
B.S., Middle East Technical University;  
M.S., Ibid.  
Major: Materials Science and Engineering  
Dissertation: Synthesis and characterization of carbonated hydroxyapatite and bioinspired polymer-calcium phosphate nanocomposites

Chunzhen Zhang  
Beijing, China
B.Agron., Beijing Agriculture College;  
M.S., University of Saskatchewan  
Major: Horticulture  
Dissertation: Identification and characterization of cold-responsive genes in perennial ryegrass

Yi Zhang  
Xianyang, China
B.E., East China University of Science and Technology;  
M.E., Ibid.  
Department: Chemical and Biological Engineering  
Major: Chemical Engineering  
Dissertation: Three dimensional atom probe tomography of nanoscale thin films, interfaces and particles

Alison Renee Deiter  
Ames
B.S., Iowa State University  
Major: Accounting

Robert Ann Jensen  
Spicer, Minn.
B.S., Iowa State University  
Major: Accounting

Kofi Eduaful Odoom  
Ames
B.A., Luther College  
Major: Accounting

Karan V. Sharma  
Mumbai, India
B.Com., University of Mumbai;  
M.Com., Ibid.  
Major: Accounting

Elizabeth Ann Gartman  
Sheboygan, Wis.
B.S., University of Minnesota-Minneapolis  
Major: Professional Agriculture

Gizem Akdogan  
Izmir, Turkey
B.Arch., Istanbul University  
Major: Architecture  
Thesis: Dealing with rapid development: Creation of the informal urban economy and gecekondu housing in Istanbul

Robert Thaddeus Gassman  
Clinton
B.Arch., Iowa State University  
Major: Architecture  
Thesis: Propelling design evolution: using a scientifically driven design process to incrementally advance architecture

Ryan Richard Risse  
Ames
B.A., Iowa State University  
Major: Architecture
MASTER OF ARTS

Ahmed Mohammed Alawadhi  Bayan, Kuwait
B.Ed., Basic Education of Kuwait
Department: Art and Design
Major: Art and Design (Interior Design)
Thesis: Retail branding through sensory experience: Local case-study at Chocolaterie Stam

Jessica Marie Butterfield  Elma
B.S., University of Iowa
Department: English
Major: Teaching English as a Second Language/Applied Linguistics (English for Specific Purposes)

Breanna Lee Byers  Ottumwa
B.A., Simpson College
Department: English
Major: Rhetoric, Composition, and Professional Communication
Thesis: Enacting ethos online: Using classical rhetoric to analyze visual Web design

Sarah Susan Davis  Ames
B.A., University of California-Berkeley
Department: English
Major: Teaching English as a Second Language/Applied Linguistics (Literacy)

Nicholas Charles Kariya  Apple Valley, Minn.
B.A., Purdue University
Major: Political Science
Thesis: European space policy and the construction of a collective European identity

Ju-Young Lee  Seoul, South Korea
B.A., Dongguk University;
M.A., Sogang University
Department: English
Major: Teaching English as a Second Language/Applied Linguistics (Computer-Assisted Language Learning)
Thesis: The effect of computer-mediated communication (CMC) interaction on L2 vocabulary acquisition: A comparison study of CMC interaction and face-to-face interaction

Rabah Ali Omer  Peoria, Ill.
B.V.Sc., University of Khartoum
Major: Political Science
Thesis: The integration of traditional leaders in the democratization process case study: Sudan

Lynn Mary Treangen  Des Moines
B.A., Grand View College
Department: English
Major: Teaching English as a Second Language/Applied Linguistics (Literacy)

Jill Ellen Wheeler  Van Meter
B.A., University of Northern Iowa
Department: English
Major: English (Literature)
Thesis: Using young adult literature to explore the causes and impact of teen violence

MASTER OF ARTS IN TEACHING

Christine Nicole Evans  Tinley Park, Ill.
B.S., Iowa State University
Department: Curriculum and Instruction
Major: Science Education

Karl David Goldsmith  Ankeny
B.S., University of Northern Iowa
Department: Curriculum and Instruction
Major: Science Education

Lauren C. Hackman  Decorah
B.S., Iowa State University
Department: Curriculum and Instruction
Major: Science Education

Matthew Neil Jaschen  Tripoli
B.S., Iowa State University
Department: Curriculum and Instruction
Major: Science Education

Lindsay Marie Carroll Kasuga  Ames
B.S., Bowling Green State University;
M.S., Iowa State University
Department: Curriculum and Instruction
Major: Science Education

C. Joseph Kohlhaas  Algona
B.S., Iowa State University
Department: Curriculum and Instruction
Major: Science Education

Audrey Marie Pohlmann  Blue Grass
B.S., Iowa State University
Department: Curriculum and Instruction
Major: Science Education

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

Jacob Thomas Arnold  Des Moines
B.F.A., University of Michigan-Ann Arbor
Major: Business Administration

William Howard Bond  Colfax
B.S., University of Central Missouri
Department: Business Administration
Major: Business Administration (Accounting)

Dianne Ellen Brotherson  Ames
B.S., Iowa State University:
B.B.A., Ibid.
Major: Business Administration

Tien Chen  Taipei, Taiwan
B.B.A., National Taipei University;
B.A., Ibid.
Department: Business Administration
Major: Business Administration (Supply Chain Management)

Rajib Chowdhury  Ames
B.Com., University of Calcutta;
Department: Business Administration
Major: Business Administration (Supply Chain Management)

Justin James Dodge  Britt
B.A., Buena Vista University
Major: Business Administration

Matt S. Dunahoo  Eldridge
B.A., University of Iowa
Major: Business Administration

Andrew Justin Harrison  Huxley
B.S., Iowa State University
Department: Business Administration
Major: Business Administration (Information Systems)

Shane Dennis Isley  Indianola
B.A., Grand View College
Major: Business Administration

Radoslaw Marian Kornicki  Ames
M.Agist., Technical University of Wroclaw
Major: Business Administration

Julienne Marie Krennrich  Ames
B.S., Creighton University
Ph.D., Ibid.
Department: Business Administration
Major: Business Administration (Finance)

Beth Minner  St. Charles, Mo.
B.S., Colorado State University
Major: Business Administration

Don Paulsen  Anthon
B.S., Iowa State University
Major: Business Administration

Beth Marie Johnson Romer  Ames
B.S., Wayne State College
Major: Business Administration

Brittney Christians Schmidt  Garner
B.S., Iowa State University
Major: Business Administration

Prashant Kumar Singh  Mumbai, India
B.Tech., Dr. Babasaheb Ambedkar Technological University
Department: Business Administration
Major: Business Administration (Finance)

MASTER OF COMMUNITY AND REGIONAL PLANNING

Wei Feng  Fuzhou, China
B.E, Nanjing University
Major: Community and Regional Planning

§  Research Excellence Award
† †  Teaching Excellence Award
MASTER OF EDUCATION

Steven Bates Drake
Ames
B.A., University of Chicago:
M.B.A., Ibid.;
M.Arch., Iowa State University
Department: Curriculum and Instruction
Major: Education

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

Misty J. Huacuja
Houston, Tex.
B.A., Grinnell College
Department: Educational Leadership and
Policy Studies
Major: Education (Higher Education)

Kelly Jo Kaiser
Bettendorf
B.S., Iowa State University
Department: Curriculum and Instruction
Major: Education (Curriculum and Instructional Technology)

Diann Mackey
Johnston
B.A., Iowa State University;
B.S., Upper Iowa University
Department: Curriculum and Instruction
Major: Education

Jolene Kay Mort
Indianola
B.S., Northwest Missouri State University
Department: Educational Leadership and
Policy Studies
Major: Education (Educational Administration)

Kate Kristin Peters
Le Mars
B.S., Iowa State University
Department: Curriculum and Instruction
Major: Education

Jerry Leon Revalee Jr.
Memphis, Tenn.
B.A., Rhodes College
Department: Curriculum and Instruction
Major: Education

Sarah Ann Sanderson
Ankeny
B.A., University of Northern Iowa
Department: Curriculum and Instruction
Major: Education

Amanda M. Skeffington
Norwalk
B.A., Simpson College
Department: Curriculum and Instruction
Major: Education

MASTER OF ENGINEERING

Michael Allen Ballou
Exira
B.S., Iowa State University
Department: Industrial and Manufacturing Systems Engineering
Major: Systems Engineering

David R. Boren
Albuquerque, N. Mex.
B.S., Embry-Riddle Aeronautical University
Department: Industrial and Manufacturing Systems Engineering
Major: Systems Engineering

David Minh Do
Milpitas, Calif
B.S., California State Polytechnic University-Pomona
Department: Industrial and Manufacturing Systems Engineering
Major: Systems Engineering

† † Katie Lynn Henning
Webster City
B.S., Iowa State University
Department: Aerospace Engineering
Major: Aerospace Engineering

Erin Elizabeth Holliday
Marion
B.S., Texas A & M University
Department: Industrial and Manufacturing Systems Engineering
Major: Systems Engineering

Jennifer Kathleen Mann
League City, Tex.
B.S., Texas Woman’s University
Department: Industrial and Manufacturing Systems Engineering
Major: Systems Engineering

Janani Sree Murallidharan
Chennai, India
B.E., Anna University
Major: Aerospace Engineering

§ Research Excellence Award
† † Teaching Excellence Award
Yogy Namara  
Ames  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Computer Engineering

Khin Myat Su Paing  
Hiawatha  
B.S., University of Illinois at Chicago  
Department: Industrial and Manufacturing Systems Engineering  
Major: Systems Engineering

Kenneth Scott Paulus Jr.  
Bismarck, N. Dak.  
B.S., North Dakota State University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Systems Engineering

Zachary T. Schmid  
Rochester, Minn.  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Computer Engineering

Joseph Kale Schuette  
Iowa City  
B.S., Iowa State University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Systems Engineering

---

**MASTER OF FAMILY AND CONSUMER SCIENCES**

Rebekah Mariel Lee Clark-Bryner  
Roland  
B.A., Cornell College  
Department: Human Development and Family Studies  
Major: Family and Consumer Sciences (Human Development and Family Studies)

Jeanna Sue Hennick  
Marshalltown  
B.S., Iowa State University  
Major: Family and Consumer Sciences

Emily D. Hotka  
Des Moines  
B.A., University of Iowa  
Department: Family and Consumer Sciences  
Major: Family and Consumer Sciences (Gerontology)

Sara S. Lohrmann  
Lake View  
B.S., Iowa State University  
Major: Family and Consumer Sciences

Katie Nicole Loutsch  
Le Mars  
B.A., University of Northern Iowa  
Department: Human Development and Family Studies  
Major: Family and Consumer Sciences (Human Development and Family Studies)

Tressa Joy Schlicht  
La Crosse, Wis.  
B.S., University of Wisconsin-Madison  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Family and Consumer Sciences (Textiles and Clothing)

N. Elaine Seniuk  
Enfield, Nova Scotia  
B.S., Mount Saint Vincent University; M.Ed., Ibid.  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Family and Consumer Sciences (Family and Consumer Sciences Education)

Lance Jeremy Stumbo  
Ogden  
B.A., Crown College  
Department: Human Development and Family Studies  
Major: Family and Consumer Sciences (Human Development and Family Studies)

Kathlene L. Whipple  
Mason City  
B.S., Iowa State University  
Department: Human Development and Family Studies  
Major: Family and Consumer Sciences (Human Development and Family Studies)
## Master of Fine Arts

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
<th>Degree and Institution</th>
<th>Department</th>
<th>Major</th>
<th>Thesis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seung Yeon Ha</td>
<td>Ames</td>
<td>B.F.A., Catholic University of Daegu</td>
<td>Art and Design</td>
<td>Graphic Design</td>
<td>Thesis: The influence of design factors on trust in a bank's website</td>
</tr>
<tr>
<td>Fei Huang</td>
<td>Shanghai, China</td>
<td>B.A., Shanghai University</td>
<td>Art and Design</td>
<td>Graphic Design</td>
<td>Thesis: A method for evaluating the design of websites for birthing hospitals in Shanghai</td>
</tr>
<tr>
<td>Nanhee Kim</td>
<td>Ames</td>
<td>B.A., Seoul National University of Technology</td>
<td>Art and Design</td>
<td>Graphic Design</td>
<td>Thesis: Guidelines, identity and competing needs: The effect of signage design guidelines on uniformity and variety in urban retail business districts</td>
</tr>
</tbody>
</table>

## Master of Public Administration

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
<th>Degree and Institution</th>
<th>Department</th>
<th>Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Douglas Allen Garnett</td>
<td>Des Moines</td>
<td>B.A., Central College</td>
<td>Political Science</td>
<td>Public Administration</td>
</tr>
</tbody>
</table>

## Master of School Mathematics

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
<th>Degree and Institution</th>
<th>Department</th>
<th>Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kathryn Renee Asplund</td>
<td>Des Moines</td>
<td>B.A., Luther College</td>
<td>Mathematics</td>
<td>School Mathematics</td>
</tr>
<tr>
<td>Matt B. Heston</td>
<td>Knoxville</td>
<td>B.S., Iowa State University</td>
<td>Mathematics</td>
<td>School Mathematics</td>
</tr>
</tbody>
</table>
MASTER OF SCIENCE

Patricia Virginia Anderson  Windsor, Calif.
B.S., California Polytechnic State University
Department: Animal Science
Major: Animal Physiology
Thesis: Energy determination of corn co-products in finishing pigs and the use of an in vitro organic matter digestibility assay to predict in vivo energy

Emre Ayalar  Ankara, Turkey
B.A., Bogazici University
Major: Economics

Ritwik Banerjee  Hoogly, India
B.S., University of Calcutta
Major: Economics

Lo'Real Cliffon Bass  Saint Louis, Mo.
B.A., University of Arkansas at Pine Bluff
Major: Interdisciplinary Graduate Studies

Alex Clark Baumgarten  Bettendorf
B.S., Iowa State University
Department: Electrical and Computer Engineering
Major: Computer Engineering
Thesis: Preventing integrated circuit piracy using reconfigurable logic barriers

Rien Lerone Beal  Atlanta, Ga.
B.S., Bethune-Cookman College
Department: Electrical and Computer Engineering
Major: Electrical Engineering
Thesis: A low voltage rail-to-rail operational amplifier with constant operation and improved process robustness

Merea Diann Bentrott  Huxley
B.A., Simpson College
Major: Human Development and Family Studies
Thesis: Dyadic perceptions of grandmothers' influence on adult granddaughters' beliefs

Michael Francis Blasi  Bettendorf
B.S., Iowa State University
Department: Electrical and Computer Engineering
Majors: Information Assurance and Computer Engineering
Thesis: Techniques for detecting zero day phishing websites

Lucas Bonansea  Cordoba, Argentina
Ing Sis., Universidad Catolica de Cordoba
Department: Computer Science
Majors: Computer Science and Human Computer Interaction
Thesis: 3D Hand gesture recognition using a ZCam and an SVM-SMO classifier

Aaron George Brncich  Wayne, Ill.
B.S., Iowa State University
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Construction Engineering and Management)

Brittini R. Brown  Augusta, Ark.
B.S., University of Arkansas-Pine Bluff
Department: Agricultural and Biosystems Engineering
Major: Industrial and Agricultural Technology
Thesis: Maize to milk: An analysis of the traceability systems of bulk commodities

Allison Palmer Burgers  Humboldt
B.S., Iowa State University
Department: Food Science and Human Nutrition
Major: Food Science and Technology
Thesis: Development of rapid methods to determine the quality of corn for ethanol production

Phillip John Butcher  Belmond
B.S., Iowa State University
Department: Geological and Atmospheric Sciences
Major: Meteorology
Thesis: Incorporating radiation inputs into an operational snowmelt model

Tracy Lynn Cagney  Westmont, Ill.
B.A., University of Iowa
Department: Curriculum and Instruction
Major: Education (Special Education)
Thesis: Attitudes of general education teachers toward including students with special needs

Suqin Cai  Linhai, China
B.Ag., Zhejiang University:
M.Ag., Ibid;
Ph.D. Iowa State University
Major: Statistics
Mehmet Caputcu  
**Bodrum, Turkey**  
Diplom., Yildiz Technical University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Transportation)

Jennifer Anne Cerfogli  
**Custer, S. Dak.**  
B.S., South Dakota State University;  
D.V.M., Iowa State University  
Major: Veterinary Clinical Sciences  
Thesis: Biomechanical considerations in equine laminitis

Mariana Victoria Chiozza  
**Buenos Aires, Argentina**  
Agron., University of Buenos Aires  
Department: Entomology  
Major: Genetics  
Thesis: Exploring soybean aphid (*Aphis glycines* Matsumura) resistance germplasm across the Midwest and its relationship with free amino acids accumulation in leaves

Gunhyung Cho  
**Seoul, South Korea**  
B.S., Korea Military Academy  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Thesis: Hybrid Nested Partition method with intelligent greedy search for solving Weapon Target Assignment problem

Sangil Choi  
**Ames**  
B.S., Kangnung National University;  
M.E., Ibid.  
Major: Computer Science  
Thesis: Minimum interference channel assignment for multicast in multi-channel multi-radio wireless mesh networks

Katie Diane Christoffersen  
**Guthrie Center**  
B.S., Iowa State University  
Major: Human Development and Family Studies  
Thesis: Examination of factors related to kindergarten readiness

†† Lucas Anthony Clemons  
**Waseca, Minn.**  
B.S., Worcester Polytechnic Institute  
Major: Aerospace Engineering  
Thesis: An experimental study of the vortex structures in the wake of a piezoelectric flapping plate for Nano Air Vehicle applications

Michael James Cruse  
**Waverly**  
B.S., Iowa State University  
Department: Agronomy  
Major: Crop Production and Physiology  
Thesis: Fossil energy use in conventional and low-external-input cropping systems

Benjamin Michael Curtin  
**Chicago, Ill.**  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: Photonic crystal back-reflectors for light management and enhanced absorption in a-Si:H solar cells

Boyi Dai  
**Changsha, China**  
B.S., Beijing Sport University  
Department: Kinesiology  
Major: Kinesiology (Behavioral Basis of Physical Activity)  
Thesis: The effects of detraining on knee biomechanics in a stop-jump task: Implications for ACL injury

Anand David  
**Woodbury, Minn.**  
B.Ch.E., University of Minnesota-Minneapolis  
Department: Chemical and Biological Engineering  
Major: Chemical Engineering  
Thesis: Bioinspired synthesis of magnetic nanoparticles

Pedro Frederico De Saint-Maurice  
**Cascais, Portugal**  
Lic., Technical University of Lisbon  
Department: Kinesiology  
Major: Kinesiology (Behavioral Basis of Physical Activity)  
Thesis: Validation of the SOPLAY direct observation tool with an objective accelerometry-based physical activity monitor

Alex John Deutmeyer  
**Petersburg**  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: Extension of electrical engineering to bioengineering topics: magnetic fermentation and microfluidic nematode assays
Zhaoyang Duan
Linfen, China
B.E., Tsinghua University
Department: Industrial and Manufacturing Systems Engineering
Major: Industrial Engineering
Thesis: Parallel cutting plane algorithms for inverse mixed integer linear programming

Joseph Michael Dunlay
Ames
B.S., Iowa State University
Major: Mechanical Engineering

Thu Thi Anh Duong
Ho Chi Minh, Viet Nam
Engr., Ho Chi Minh City University of Technology;
M.E., Asian Institute of Technology
Department: Electrical and Computer Engineering
Major: Electrical Engineering
Thesis: Optimal area and impedance allocation for maximizing yield and enhancing performance in dual string DACs

Justin J. Elwood
Albert Lea, Minn.
B.S., Iowa State University
Major: Mechanical Engineering

Travis Andrew Engelhaupt
Roland
B.S., Iowa State University
Department: Logistics, Operations and Management Information Systems
Major: Human Computer Interaction

Robert D. Franz
Independence
B.S., Iowa State University
Department: Agricultural and Biosystems Engineering
Major: Agricultural Engineering (Advanced Machinery Systems)
Thesis: Corn stover densification using an auger compactor

Eric Ryan Fritz
Ackley
B.S., Iowa State University
Department: Animal Science
Major: Animal Breeding and Genetics
Thesis: Relational database models and other software and their importance in data analysis, storage, and communication

Nishanth R. Gaddam
Nizamabad, India
B.Eng., Birla Institute of Technology and Science;
M.S., Ibid.
Department: Electrical and Computer Engineering
Major: Computer Engineering
Thesis: Network coding in wireless networks

Prateek Gangwal
Jaipur, India
B. Engr., National Institute of Technology
Department: Electrical and Computer Engineering
Major: Computer Engineering
Thesis: Implementation and experimental study of rate adaptation algorithms in IEEE 802.11 wireless networks

Elizabeth Emma Geske
Ames
B.A., Iowa State University
Major: Journalism and Mass Communication
Thesis: Audience frames elicited by televised political advertising

Marcus E. Glenn
Houston, Tex.
B.S., Prairie View A&M University
Department: Agricultural Education and Studies
Major: Agricultural Education

Selin Gonen
Mersin, Turkey
B.A., Bogazici University;
B.A., Ibid.
Major: Economics

Adam John Gudenkauf
New Vienna
B.S., Iowa State University
Major: Mechanical Engineering
Thesis: Comparison of the energy and economic feasibility of different building systems

Jiqiang Guo
Anqing, China
B.E., University of Science and Technology of China
Department: Physics and Astronomy
Major: Statistics

LiYing Guo
Ames
B.S., Hunan University
Major: Mechanical Engineering
Thesis: Thermal and mechanical phenomena in nanoscale constrained domains

Matthew Jay Hawkins
Bondurant
B.S., Iowa State University
Major: Aerospace Engineering
Thesis: Experimental improvements on a tornado-type wind turbine (TTWT) system

Yanyi He
Haikou, China
B.S., University of Science and Technology of China
Department: Physics and Astronomy
Major: Nuclear Physics
Thesis: 2+1 correlation between π0 and charged hadrons in Au-Au collisions under collision energy at 200GeV

§ Research Excellence Award
† † Teaching Excellence Award
Shoshana Esther Hebshi  
Des Moines  
B.S., California Polytechnic State University  
Major: Journalism and Mass Communication  
Thesis: Ethanol in the media agenda: The life cycle of an issue in different geographic areas

Francis Drew Henry  
Glasgow, Mont.  
B.A., Minot State University  
Department: Natural Resource Ecology and Management  
Major: Animal Ecology  
Thesis: Elk winter habitat selection and movements in the Buffalo Valley of Wyoming with respect to habitat treatments and supplemental feeding

Krandon J. Henry  
Pine Bluff, Ark.  
B.S., University of Arkansas at Pine Bluff  
Department: Interdisciplinary Graduate Studies  
Major: Interdisciplinary Graduate Studies (Social Sciences)

Cassie J. Herringshaw  
Goltry, Okla.  
B.S., University of Oklahoma  
Department: Natural Resource Ecology and Management  
Major: Environmental Science  
Thesis: Stream ecosystems in human-dominated landscapes: investigating land use impacts and integrating public participation, restoration, and research

Kyle A. Hewitt  
Kasota, Minn.  
B.A., Lawrence University  
Major: Statistics

Brian Edward Hill  
Deloit  
B.S., Iowa State University  
Department: Agronomy  
Major: Soil Science (Soil Fertility)  
Thesis: Soil sample handling for routine analysis of plant-available soil potassium

Joshua Lee Hochstein  
Yankton, S.Dak.  
B.S., University of Nebraska-Lincoln  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Transportation Engineering)  
Thesis: Rural expressway intersection safety treatment evaluations

Hong Hua  
Ames  
B.S., Nanjing University  
Major: Statistics

Timothy Joel Hurst  
Spencer  
B.S., Iowa State University  
Major: Mechanical Engineering

Alaina Louise Ingebritson  
Hubbard  
B.S., Iowa State University  
Department: Veterinary Microbiology and Preventive Medicine  
Major: Veterinary Microbiology  
Thesis: The significance of Spa-type represented in swine *Erysipelothrix rhusiopathiae* bacterins for cross-protection against erysipelas

Shan Jin  
Shenzhen, China  
B.S., Zhejiang University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Thesis: Long term power generation planning under uncertainty

Jason Edward Jirak  
Waucoma  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: Enhancement of minority carrier lifetime in low quality silicon by ion implantation of arsenic and antimony

Adam Kenneth Johanson  
Las Vegas, Nev.  
B.S., Brigham Young University  
Department: Physics and Astronomy  
Major: Astrophysics  
Thesis: HI absorption spectra toward MAGPiS supernova remnant candidates

Brian James Kalina  
Cedar Falls  
B.S., Iowa State University  
Major: Mechanical Engineering  
Thesis: Numerical study of effects of high exhaust gas recirculation and energy recovery system on diesel engine performance

Matthew A. Kappes  
Clay Center, Neb.  
B.S., University of Nebraska at Lincoln  
Department: Veterinary Microbiology and Preventive Medicine  
Major: Immunobiology  
Thesis: Immunomodulatory effects of porcine interleukin-18 on a modified live vaccine immune response against swine influenza virus

§ Research Excellence Award  
†† Teaching Excellence Award
Greg Evan Karssen  
Omaha, Neb.  
B.S., Iowa State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Transportation Engineering)

Randall Dennis Kasparbauer  
Mannilla  
B.S., Iowa State University  
Major: Mechanical Engineering  
Thesis: The effects of biomass pretreatments on the products of fast pyrolysis

Ali Khalid  
Phoenix, Ariz.  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering

Ravi Kolakaluri  
Tenali, India  
B.E., Pt. Ravishankar Shukla University  
Major: Mechanical Engineering  
Thesis: Engine spray combustion modeling using unified spray model with dynamic mesh refinement

Ronnie Koshy  
Dubai, United Arab Emirates  
B.Eng., Birla Institute of Technology and Science  
Major: Computer Science  
Thesis: A Joint Radio and Channel Assignment (JRCA) scheme for 802.11-based wireless mesh networks

Vaibhav Kumar  
Jakarta, Indonesia  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: High bandwidth low power operational amplifier design and compensation techniques

Katherine Ann Lawler  
Ogden  
B.S., Iowa State University  
Major: Materials Science and Engineering  
Thesis: Viscosity of aqueous and cyanate ester suspensions containing alumina nanoparticles

Thien Van Le  
Ames  
B.S., Vietnam National University  
Department: Geological and Atmospheric Sciences  
Major: Meteorology  
Thesis: Near tropopause water vapor content and exchange processes

Jungtaek Lee  
Seoul, South Korea  
B.A., Yonsei University  
Major: Economics

Sungwhan Lee  
Raleigh, N.C.  
B.Econ., Korea University;  
M.Econ., Ibid.;  
M.Econ., North Carolina State University-Raleigh  
Major: Economics

Ashley Burgess Leininger  
Van Meter  
B.A., Simpson College  
Major: Sociology  
Thesis: Conceptualizations of God by Lutheran laypeople

Li Li  
Beijing, China  
B.S., Capital Normal University;  
M.S., Ibid.  
Department: Genetics, Development and Cell Biology  
Major: Plant Biology  
Thesis: Unusual patterns of genetic diversity and gene expression in the maize genome

W. Scott Lincoln  
Alleman  
B.S., Iowa State University  
Department: Geological and Atmospheric Sciences  
Major: Environmental Science  
Thesis: A modeling approach for operational flash flood forecasting for small-scale watersheds in central Iowa

William Morgan Lindsey  
Ames  
B.S., University of Utah  
Department: Agronomy  
Major: Crop Production and Physiology

Haixia Liu  
Hailin, China  
B.S., Northeast Agricultural University;  
M.S., Heilongjiang Commercial College  
Department: Food Science and Human Nutrition  
Major: Food Science and Technology  
Thesis: Amelioration of factors limiting the use of lipid-based diesel products

§ Research Excellence Award  
† † Teaching Excellence Award
Hexuan Liu  
Wuhai, China
B.S., Sun Yat-Sen University
Major: Sociology
Thesis: Cultural forms underlying health-related discourses in the United States and Canada: A historical-comparative study of the two countries' editorials from 1965-1999

Wendy Liu
Mercer Island, Wash.
B.A., University of California-Los Angeles
Major: Human Development and Family Studies
Thesis: Conceptualizing factors influencing the perception of barriers to mental health treatment and help-seeking behaviors among Chinese Americans

Yu Liu
Jingzhou, China
B.S., Tsinghua University
Department: Electrical and Computer Engineering
Major: Electrical Engineering
Thesis: PduL is an evolutionary distinct phosphotransacylase involved in B12-dependent 1,2-propanediol degradation by Salmonella enterica serovar Typhimurium LT2 and is associated with the propanediol utilization microcompartments

Gaowei Mao
Ames
B.Agri., South China Agricultural University;
M.Agri., Ibid.
Department: Animal Science
Major: Nutritional Sciences
Thesis: Effect of mitochondrially targeted vitamin E on oxidative stress and obesity development in C57BL/6 mice

Rory James Martin
Columbus Junction
B.S., Cornell College
Department: Geological and Atmospheric Sciences
Major: Geology

Robert Mayer
Milford
B.S., Iowa State University
B.S., Ibid.
Department: Electrical and Computer Engineering
Major: Electrical Engineering

Patrick Marshall Meehan
Chazy, N.Y.
B.S., Iowa State University;
Major: Mechanical Engineering
Thesis: Investigations into the fate and behavior of selected inorganic compounds during biomass gasification

Matthew Adam Miller
Cedar Rapids
B.A., University of Iowa;
B.S., Iowa State University
Major: Computer Science
Thesis: Unsupervised segmentation of audio speech using the Voting Experts algorithm

Michael E. Miller
Lee'S Summit, Mo.
B.S., Southwest Missouri State University
Department: Genetics, Development and Cell Biology
Major: Molecular, Cellular, and Developmental Biology
Thesis: Extracting biologically relevant information from microarray data as related to nitrate response in maize roots and node development in rice

LeAnn R. Mills
Omaha, Neb.
B.A., University of Nebraska at Lincoln
Major: Psychology
Thesis: Applying social cognitive career theory to college science majors

Valliappan Narayanan
Ames
B.Tech., Anna University
Major: Computer Science
Thesis: A workbench for advanced database implementation and benchmarking

Melissa Sue Nasers
Bigelow, Minn.
B.S., Iowa State University
Department: Agricultural Education and Studies
Major: Agricultural Education
Thesis: Iowa agritourism consumer profile: demographics, preferences, and participation levels

Brandon James Newendorp
Cedar Falls
B.S., Iowa State University
Department: Mechanical Engineering
Major: Human Computer Interaction
Thesis: Real-time scenegraph creation and manipulation in an immersive environment using an iPhone

Bradley Steven Ott
West Manchester, Ohio
B.S., Ohio State University
Major: Agronomy

Pallavi Padyala
Hyderabad, India
B.Tech., Jawaharlal Nehru Technical University
Major: Aerospace Engineering
Thesis: Steady rolling contact and resistance of a cylinder on a viscoelastic foundation by an integral equation algorithm

§ Research Excellence Award
†† Teaching Excellence Award
Joshua Day Parcel  
B.S., Iowa State University  
Major: Economics

Rebecca Lynn Parsons  
B.S., Iowa State University  
Department: Ecology, Evolution and Organismal Biology  
Major: Ecology and Evolutionary Biology  
Thesis: Effects of brood size on and the ontogeny of the stress response in nestling Tree Swallows (Tachycineta bicolor)

Bryan James Peterson  
Auburndale, Wis.  
B.A., University of Minnesota-Minneapolis  
Major: Horticulture  
Thesis: Ecology and horticultural potential of Dirca palustris

Joseph Edward Petrzelka  
Amana  
B.S., Iowa State University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Thesis: Geometric process planning in rough machining

Anthony Phan  
Sioux City  
B.S., Iowa State University  
Major: Mechanical Engineering  
Thesis: Development of a rate of injection bench and constant volume combustion chamber for diesel spray diagnostics

Theresa Maria Podoll  
La Moure, N. Dak.  
Bus., Dickinson State University  
Department: Interdisciplinary Graduate Studies  
Major: Interdisciplinary Graduate Studies (Community Development)

Axel M. Preuss  
Kochel am See, Germany  
Dipl., Ing. RWth Aachen Technical University  
Major: Statistics

Jan Martin Raasch  
Augsburg, Germany  
Vordipl., University of Augsburg  
Major: Mathematics

Sarah Jane Rahn  
Lakeside, Wis.  
B.S., University of Wisconsin-Superior  
Department: Animal Science  
Major: Microbiology  
Thesis: Allergy models and related assays to test the allergic qualities of Escherichia coli heat labile toxin subunit B

David Scott Rectenbaugh  
Orient  
B.S., Iowa State University  
Major: Agronomy

†† Michael Andrew Rickers  
Westside  
B.S., Iowa State University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Thesis: The effect of spring restraint on weld distortion in T-joint fillet welds

Ashley Nicole Rink  
Tipton  
B.A., University of Iowa  
Major: Human Development and Family Studies  
Thesis: The influence of negative affectivity on depressive symptoms, perceived social support and marital satisfaction among African American women

Kimberly Anne Rohlfing  
Nevada  
B.S., Iowa State University  
Department: Food Science and Human Nutrition  
Major: Food Science and Technology  
Thesis: Thermal characterization of corn starch mutants and textural effects on tortillas

Diane Waddy Romero  
Washington, D.C.  
B.A., Federal City College; M.S., Iowa State University  
Department: Interdisciplinary Graduate Studies  
Major: Interdisciplinary Graduate Studies (Social Sciences)

Chayanon Sawatdeenarunat  
Muang Nakhon Si Thamarat, Thailand  
B.S., Chiang Mai University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Environmental Engineering)  
Thesis: Innovative waste biomass derived organic acids synthesis, immobilization, and purification system

Brett David Shady  
Council Bluffs  
B.S., Iowa State University  
Department: Agricultural and Biosystems Engineering  
Major: Industrial and Agricultural Technology  
Thesis: The development of a RFID based leaness monitoring system

§ Research Excellence Award
† † Teaching Excellence Award
Lucas John Showman  
*Shellsburg*  
B.S., Iowa State University  
Department: Biochemistry, Biophysics, and Molecular Biology  
Major: Biochemistry  
Thesis: Identification and molecular characterization of the Arabidopsis homolog to the Saccharomyces cerevisiae BIO5 gene

Prashant Kumar Singh  
*Mumbai, India*  
B.Tech., Dr. Babasaheb Ambedkar Technological University  
Department: Logistics, Operations and Management Information Systems  
Major: Information Systems

Ruchita Sirkanungo  
*Indore, India*  
B.E., Institute of Engineering and Technology  
Department: Computer Science  
Thesis: Information management system using 2D barcodes and cell phone technology

Alisha Lee Smith  
*Cascade*  
B.S., Iowa State University  
Department: Agricultural Education and Studies  
Major: Agricultural Education (Agricultural Extension Education)

Jennifer Denise Smith  
*Waukon*  
B.S., Iowa State University  
Department: Kinesiology  
Major: Kinesiology (Behavioral Basis of Physical Activity)  
Thesis: The influence of growth on body composition, physical activity, and fitness in overweight and obese children

Katherine Anne Smith  
*Waynesboro, Pa.*  
B.S., University of South Florida  
Department: Food Science and Human Nutrition  
Major: Food Science and Technology  
Thesis: Novel technologies for soy products, processing, and applications

Rachel Marie Smith  
*Sumner, Ill.*  
B.S., University of Illinois-Urbana Champaign  
Department: Animal Science  
Major: Meat Science  
Thesis: Effect of selection for reduced residual feed intake on composition and quality of fresh pork

Geoffrey Bernard Spain  
*Waterloo*  
B.S., Iowa State University  
Major: Mechanical Engineering

Fred Philip Stanley  
*Ames*  
B.E., Sathyabama Institute of Science and Technology  
Major: Computer Science  
Thesis: Intrusion detection and response for system and network attacks

Laine Kincaid Stewart  
*Osseo, Wis.*  
B.S., University of Wisconsin-Madison  
Department: Chemistry  
Major: Organic Chemistry  
Thesis: Tungsten trioxide and titanium dioxide photocatalytic degradations of quinoline

Alissa Kristine Stoehr  
*Ames*  
B.L.S., Iowa State University;  
Department: Interdisciplinary Graduate Studies  
Major: Interdisciplinary Graduate Studies (Social Sciences)  
Thesis: Welfare policies and covert behaviors: Understanding the effects on low-income families needing child support in central Iowa

Christopher Roy Strasburg  
*Ames*  
B.S., Iowa State University  
Department: Computer Science  
Majors: Information Assurance and Computer Science  
Thesis: A framework for cost-sensitive automated selection of intrusion response

Sonja Eva-Marie Stutzman  
*Kalona*  
B.S., Iowa State University  
Major: Human Development and Family Studies  
Thesis: Individual and partner effects: Influences of anxiety and warmth on marital satisfaction among African American spouses

Ryan Michael Swanson  
*DeMotte, Ind.*  
B.S., Dordt College  
Department: Mechanical Engineering  
Majors: Mechanical Engineering and Biorenewable Resources and Technology  
Thesis: Techno-economic analysis of biomass-to-liquids production based on gasification

§ Research Excellence Award  
† † Teaching Excellence Award
Levi Daniel Swartzentruber, Metamora, Ill.
B.S., Iowa State University
Department: Mechanical Engineering
Majors: Mechanical Engineering and Human Computer Interaction
Thesis: Improving path planning of unmanned aerial vehicles in an immersive environment using meta-paths and terrain information

Elizabeth Calo Tarleton, Cutchogue, N.Y.
B.S., Siena College
Major: Agronomy

Viral Varshney, Decorah
B.S., Kettering University
Major: Mechanical Engineering

Roxanne Von Tayson, Cedar Rapids
B.S., Iowa State University
Department: Animal Science
Major: Microbiology
Thesis: Quantitative and qualitative analysis of airborne Listeria monocytogenes on ready-to-eat meats

David Branan Wallace, New Zion, S.C.
B.S., University of Georgia
Major: Agronomy

Elizabeth Anne Wenz, Nevada
B.S., Iowa State University
B.S., Ibid.
Department: Food Science and Human Nutrition
Major: Nutritional Sciences
Thesis: School nutrition environments since local wellness policies

David Dean Werner, Fairmont, Minn.
B.S., South Dakota State University
Major: Mechanical Engineering

Erica Michelle White, South Lyon, Mich.
B.S., Eastern Michigan University
Department: Apparel, Educational Studies and Hospitality Management
Major: Textiles and Clothing
Thesis: Representations of the True Woman and the New Woman in Harper’s Bazar, 1870-1879 and 1890-1905

Abbie Lynn Wiebecke, Charles City
B.S., Iowa State University
Department: Agricultural Education and Studies
Major: Agricultural Education

Matthew W. Wihlm, Greene
B.S., Iowa State University
Major: Entomology
Thesis: The ecology, morphology, and phylogeography of the Nearctic species Axymyia furcata (Diptera: Axymyitidae)

Danielle Marie Wrolstad, Exeland, Wis.
B.S., Winona State University
Major: Statistics

Dajing Wu, Tianchang, China
B.S., University of Science and Technology of China
Department: Physics and Astronomy
Major: Nuclear Physics

Yen-Nung Wu, Taipei, Taiwan
B.S., National Taiwan University
Department: Agricultural and Biosystems Engineering
Majors: Agricultural Engineering and Biorenewable Resources Technology
Thesis: Techno-economic analysis of single-pass maize biomass harvest systems

Lu Xu, Anshan, China
B.S., University of Kansas
Department: Electrical and Computer Engineering
Major: Electrical Engineering

Ali Yakubu, Ames
B.S., Herbert H. Lehman College – City University of New York:
B.S., Kean College of New Jersey
Department: Agricultural and Biosystems Engineering
Major: Industrial and Agricultural Technology
Thesis: Non-chemical on-farm hermetic maize storage in East Africa

§ Research Excellence Award
†† Teaching Excellence Award
Ya-Lan Yang  
Taipei, Taiwan  
B.P.A., Chung Hua University  
Department: Curriculum and Instruction  
Major: Education (Curriculum and Instructional Technology)  
Thesis: Learning through gaming: Teaching visual arts to elementary grade students

Chongxue Zhang  
Qin Huang Dao, China  
B.S., Beijing University of Post and Telecommunications  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: Assessment of depth of case-hardening in steel rods by electromagnetic methods

Xia Zhao  
Ta’In, China  
B.Med., Medical College of Qingdao University;  
M.Ed., Guangdong Medical College  
Department: Animal Science  
Major: Genetics  
Thesis: A candidate gene association study of cryptorchidism and scrotal hernia using canine and porcine models

Ying Zhou  
Dalian, China  
B.Med., Beijing Medical University  
Department: Food Science and Human Nutrition  
Major: Nutritional Sciences  
Thesis: Effect of soy food intake on mineral status in women of childbearing age
CANDIDATES FOR DEGREES
FROM THE COLLEGE OF AGRICULTURE AND LIFE SCIENCES

BACHELOR OF SCIENCE

Curriculum in Agricultural Business

** Joel Edward Farley  
Nathan Michael Hemken  
Atlantic  
Williams

Joseph R. Solinger  
Farmington, Minn.

Curriculum in Agricultural Studies

Danielle Marie Brass  
Greene

Justin Wayne Sibert  
Indianola

Dustin A. Bueltel  
Fremont

Bradley James Westrum  
Stratford

Allison Renae Cairns  
Maxwell

Garrett Blake Yoder  
Kanota

Brandon Kyle Milligan  
Baxter

Justin Wayne Sibert  
Indianola

Bradley James Westrum  
Stratford

Garrett Blake Yoder  
Kanota

Curriculum in Agriculture and Life Sciences Education

Amanda Ann Bridgman  
Drakesville

Sarah Jane Stream  
Chariton

Holly A. Ryan  
Kingsley

Curriculum in Agronomy

Nicholas Steven Ritland  
Hubbard

Curriculum in Animal Ecology

Scott Matthew Bisping  
Savage, Minn.

Carolyn Reye Goedeken  
Ames

Laina Marie Cross  
East Moline, Ill.

Stacie Elizabeth Lowe  
Brighton

Tara June Engel  
Cedar Falls

Darcy JoLynne Miller  
Stratford

Curriculum in Animal Science

Sarah Marie Bender  
Crete, Ill.

Barry Joseph Robinson  
Atlantic

Juli Ann Larson  
Slayton, Minn.

Lowden

Heather Renee Loges  
Farmington

Benjamin Lee Ruther  
Troy Mills

Josie Rose Murphy  
Dougherty

Tara Lynn Takes  
Troy Mills

Curriculum in Biology

* Sarah Beth Asberry  
Jordan Lee Chidester  
Cameron M. Cushing  
Andrew Lee Eggert  
Exira  
Ames  
Omaha, Neb.  
Colfax

Heather Nicole Fogle  
Joseph David Van Gorp  
Rachael Mary Colleen Whitehill  
Coin  
Iowa Falls  
Carson

* Cum Laude

** magna cum laude

*** summa cum laude

† Honors Program
<table>
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<tr>
<th>Curriculum in Entomology</th>
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<td>Kelly Ann Seman</td>
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<tr>
<td>Cameron M. Cushing</td>
<td>Omaha, Neb.</td>
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<tr>
<th>Curriculum in Food Science</th>
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<tr>
<td>Shikha Atul Patel</td>
<td>Mumbai, India</td>
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<td>Timothy A. Rose</td>
<td>Johnston</td>
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<td>Elizabeth Marie Asque</td>
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<td>John Sullivan Brennan</td>
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<td>Matthew David Guy</td>
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<td>Joshua M. Sheets</td>
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<td>Nathan Douglas Harp</td>
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<td>Daniel Dean Keesis</td>
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<td>Matthew James McNicholas</td>
<td>Wheaton, Ill.</td>
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<tr>
<td>Lindsay Nicolle Moore</td>
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<td>Peter Richard Nelson</td>
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<tr>
<td>Jason Walker Scales</td>
<td>Winston-Salem, N.C.</td>
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<td>Geoffrey Alan Stocker</td>
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<td>Douglas Harold Weber</td>
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<td>Matthew Todd Yates</td>
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<td>Gabriel John Whitaker</td>
<td>Hillsboro</td>
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* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
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<tr>
<td>Melinda J. Bechtel</td>
<td>Richland Center, Wis.</td>
<td>Dairy Science and International Agriculture</td>
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<tr>
<td>**Emily Christine Eggleston</td>
<td>Marshalltown</td>
<td>Agronomy and Environmental Studies</td>
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<tr>
<td>Rebekah Dijon Fidder</td>
<td>Ames</td>
<td>Microbiology and Animal Science</td>
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<td>Jordan Lynn Sherbondy</td>
<td>Council Bluffs</td>
<td>Horticulture and International Agriculture</td>
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<tr>
<td>Ellen Rebecca Walsh</td>
<td>Elgin</td>
<td>Public Service and Administration in Agriculture and International Agriculture</td>
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* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
# CANDIDATES FOR DEGREES FROM THE COLLEGE OF BUSINESS

## Bachelor of Science

### Curriculum in Business

### Major in Accounting

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<td>Tessa L. Aurand</td>
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<td>Sheila Marie Bergman</td>
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<td>Andrew Gavin Broesder</td>
<td>Holstein</td>
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<tr>
<td>* Chi Fung Chu</td>
<td>Kowloon Hong Kong</td>
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<tr>
<td>* Danielle L. Downs</td>
<td>Charles City</td>
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<tr>
<td>** Katherine Elaine Farlow</td>
<td>Des Moines</td>
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<tr>
<td>Courtney Cecelia Garnes</td>
<td>Ankeny</td>
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<thead>
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<tr>
<td>Jennifer Nicole Kerns</td>
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<td>Phillip Clayton Monohon</td>
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<td>Shellie Larie Mosman</td>
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<td>Kathleen Suzanne Sadler</td>
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<td>Elizabeth Anne Tietz</td>
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### Major in Finance

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<td>De Witt</td>
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<td>John Ross Crouthamel</td>
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<td>Brandon J. Decker</td>
<td>Fort Madison</td>
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<td>Ryan Nicholas Denman</td>
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<td>* Andrew Robert Olson</td>
<td>Eagan, Minn.</td>
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<td>* Kevin Charles Schomer</td>
<td>Urbandale</td>
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<td>* Brian Thammathay</td>
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<td>* Aaron Christopher Valley</td>
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<td>* William Craig Ware Jr.</td>
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<tr>
<td>** Curtis Robert Westpfahl</td>
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### Major in Logistics and Supply Chain Management

<table>
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<td>Tina Marie Dierks</td>
<td>Charles City</td>
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<td>Jason Michael Duke</td>
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<td>Daniel R. Greaser</td>
<td>Vinton</td>
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<td>Moses Kiobel</td>
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<td>* Thomas Michael Robinson</td>
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<tr>
<td>* Adam Michael Ruden</td>
<td>Dubuque</td>
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<tr>
<td>** Anthony David Staley</td>
<td>Lincoln, Neb.</td>
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### Major in Management

<table>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Ruth Abigail Bartels</td>
<td>Ames</td>
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<td>Michael Joseph Bexten</td>
<td>Manilla</td>
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<tr>
<td>Alan Joseph Disch</td>
<td>Eldridge</td>
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<tr>
<td>Christopher Michael Foster</td>
<td>Centerville</td>
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<tr>
<td>Thomas Christopher Hayhoe</td>
<td>Edina, Minn.</td>
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<tr>
<td>Stephanie Marie Hickey</td>
<td>West Des Moines</td>
<td></td>
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<tr>
<td>Ryan Paul Hocke</td>
<td>Muscatine</td>
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<thead>
<tr>
<th>Name</th>
<th>City</th>
<th>International Location</th>
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<tbody>
<tr>
<td>Theodore Dustin Kroll</td>
<td>Avoca</td>
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<tr>
<td>Brittny Suzanne Pedersen</td>
<td>Laurens</td>
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<tr>
<td>Tyler Miles Rathje</td>
<td>Marshalltown</td>
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<tr>
<td>Miranda Jeanne Reynolds</td>
<td>Ankeny</td>
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<tr>
<td>Spencer Collins Sweeney</td>
<td>Bloomington, Minn.</td>
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* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program

39
## Major in Management Information Systems

<table>
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<tr>
<th>Name</th>
<th>City</th>
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<tbody>
<tr>
<td>Philip Biggs</td>
<td>Des Moines</td>
</tr>
<tr>
<td>Corey Lynn Brasel</td>
<td>Salem, S. Dak.</td>
</tr>
<tr>
<td>Stephen Thomas Dunn</td>
<td>Clive</td>
</tr>
<tr>
<td>* David Robert Griffin</td>
<td>Ankeny</td>
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<tr>
<td>Mea Lei Hernandez</td>
<td>Muscatine</td>
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<tr>
<td>Adam Marcus Lucht</td>
<td>Ames</td>
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<tr>
<td>Adam Konrad Parsons</td>
<td>Roscoe, Ill.</td>
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<tr>
<td>Theodore Nicholas Taber</td>
<td>Des Moines</td>
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<tr>
<td>Danny Thompson</td>
<td>Papillion, Neb.</td>
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## Major in Marketing

<table>
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<th>Name</th>
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<tbody>
<tr>
<td>William Frederick Adolph Jr.</td>
<td>Saint Paul, Minn.</td>
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<tr>
<td>Joseph Bridger Callison</td>
<td>Ames</td>
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<tr>
<td>Aydee Melissa De Dios</td>
<td>Perry</td>
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<td>Emily Ann Green</td>
<td>Urbandale</td>
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<tr>
<td>Ryan Patrick Heeney</td>
<td>Hawthorn Woods, Ill.</td>
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<tr>
<td>Ntumba Freddy Kabongo</td>
<td>Lynn, Mass.</td>
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<td>Theodore Dustin Kroll</td>
<td>Avoca</td>
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<td>Justin Michael Logsdon</td>
<td>West Des Moines</td>
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<tr>
<td>Jonathan Andrew McCabe</td>
<td>Mount Pleasant</td>
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<td>Nicholas Richard Neschitt</td>
<td>Alta</td>
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<td>Matthew James Owen</td>
<td>Marshalltown</td>
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<td>Scott Douglas Peterson</td>
<td>Waconia, Minn.</td>
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<tr>
<td>Joseph John Reichenauer</td>
<td>Eagle Grove</td>
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<tr>
<td>Keely Elizabeth Secrist</td>
<td>Ames</td>
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<tr>
<td>Peter In Chan Smith</td>
<td>Minnetonka, Minn.</td>
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## Major in Operations and Supply Chain Management

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Ross Alan Burgess</td>
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<tr>
<td>Adam David Newcomb</td>
<td>Solon</td>
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<tr>
<td>Jonathan Robert Wise</td>
<td>Cedar Falls</td>
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## Multiple Curricula and Majors

<table>
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<tr>
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<tbody>
<tr>
<td>Philip Everett Clemens</td>
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<tr>
<td>Marketing and Liberal Arts and Sciences: Major in Spanish</td>
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<tr>
<td>Marie Kristine Easton</td>
<td>West Union</td>
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<tr>
<td>Logistics and Supply Chain Management and Liberal Arts and Sciences: Major in German</td>
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<td>Corey Scott Grady</td>
<td>Muscatine</td>
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<td>Operations and Supply Chain Management and Management</td>
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<tr>
<td>*** Christina Anne Hibbs</td>
<td>Urbandale</td>
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<td>Marketing, International Business, and Liberal Arts and Sciences: Major in Spanish</td>
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* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
CANDIDATES FOR DEGREES FROM THE COLLEGE OF DESIGN

BACHELOR OF ARTS

Curriculum in Art and Design

Amber Ann Danneman Pomeroy
Orion Christopher Lauda Des Moines
Robert Thomas Sedor Mount Prospect, Ill.

Multiple Curricula and Majors

Sara Jeanne Bishop Decorah
Art and Design and Liberal Arts and Sciences: Major in Journalism and Mass Communication
Christina Rose Ehrman Blairstown
Art and Design and Liberal Arts and Sciences: Major in Advertising

BACHELOR OF FINE ARTS

Curriculum in Integrated Studio Arts

Victoria Lidia Brown West Des Moines
Melissa Jo Gibbs Shell Rock
Izaak Akao Moody Ames
Heidi Rebecca Petersen Port Byron, Ill.
Daron Vernell Richardson Des Moines
Stephanie Ann Willett Boone

Curriculum in Interior Design

Lyndsay Elizabeth Clark Des Moines
* Claire Elizabeth Irelan Iowa City
Katherine Rosa Laufenburger Minneapolis, Minn.

Multiple Curricula and Major

† Andrew Aaron Kopp Solon
Integrated Studio Arts and Business: Major in Management

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

Curriculum in Community and Regional Planning

Megha Chandrasekhar  
Cochin, India

Tiffany Louise Foss  
Hanover Park, Ill.

Jessica L. Kramer  
Aurora, Ill.

Luke Alan Miller  
Jesup

* 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>Name</th>
<th>Location</th>
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<tbody>
<tr>
<td>Seth Christopher Voigt</td>
<td>Waterloo</td>
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### Curriculum in Chemical Engineering

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<tr>
<td>Doan Thuc Nguyen</td>
<td>Sioux City</td>
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<tr>
<td>Kellen William Schultz</td>
<td>Schleswig</td>
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### Curriculum in Civil Engineering

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<tr>
<td>Toni Amanda Bruner</td>
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<td>Kaitlin Kimberli Hanson</td>
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### Curriculum in Computer Engineering

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<tr>
<td>Matthew David Beecher</td>
<td>Vinton</td>
</tr>
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<td>Shannon Patrick McCormick</td>
<td>Ames</td>
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### Curriculum in Construction Engineering

<table>
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<tr>
<td>Nicole Marie Bell</td>
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<tr>
<td>Jeffrey Neal Faine</td>
<td>Cedar Rapids</td>
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<td>Matthew Neil Koester</td>
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<td>Brian A. Madsen</td>
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<td>Luke C. Miller</td>
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<td>Zachary Taylor Smith</td>
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### Curriculum in Electrical Engineering

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<td>Jobin George Arthungal</td>
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<td>Manu Kapoor</td>
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<td>Xiang Li</td>
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### Curriculum in Industrial Engineering

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<td>David Alan Markman</td>
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<td>Paola Nieto Trejo</td>
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<td>Kimberly Hope Williamson</td>
<td>Friendswood, Tex.</td>
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* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
### Curriculum in Materials Engineering

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<tr>
<td>Mary E. Cameron</td>
<td>Bettendorf</td>
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<tr>
<td>Cara Louise Larson</td>
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<tr>
<td>Adam Paul Rabe</td>
<td>Byron, Minn.</td>
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<tr>
<td>Andrew Seaton Van Woert</td>
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### Curriculum in Mechanical Engineering

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<td>Lan Boutdara</td>
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<td>Ryan Joseph Even</td>
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<td>Hazel Green, Wis.</td>
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<td>Jason Curtis Parkes</td>
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<td>Suhaidi Samsudin</td>
<td>Bayan Lepas, Malaysia</td>
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<td>Dain Eugene Sires</td>
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<td>Michael Yegge</td>
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### Multiple Curricula and Major

** Wilber Yaote Lio        Vermillion, S. Dak.
** Materials Engineering and Liberal Arts and Sciences: Major in Music
### CANDIDATES FOR DEGREES FROM THE COLLEGE OF HUMAN SCIENCES

#### BACHELOR OF SCIENCE

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

<table>
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<th>Location</th>
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<tr>
<td>Kathleen Ann Brewer</td>
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<td>Chelsea Ann Pehler</td>
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<td>Kelly Lynne Bright</td>
<td>Johnston</td>
<td>Kaki Lofgren Ronning</td>
<td>Plymouth, Minn.</td>
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<td>* Megan Elizabeth Flynn</td>
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<td>Megan Jean Sandos</td>
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<td>Elizabeth Mae Kovanic</td>
<td>Normal, Ill.</td>
<td>Thomas Jeffery Schmitt</td>
<td>Atlantic</td>
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<td>Lisa Jo Mutscher</td>
<td>Ackley</td>
<td>Libby Rae Trentadue</td>
<td>Lake Mills, Wis.</td>
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<td>Ellary Ann Ohrt</td>
<td>Elkader</td>
<td>Emily Joy Venneman</td>
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<td>Emily Joy Venneman</td>
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**Curriculum in Child, Adult, and Family Services**

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<th>Location</th>
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<tr>
<td>Vanna Katherine Beaston</td>
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<td>Megan Elizabeth McLaughlin</td>
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<td>Jessica Lynn Morrissey</td>
<td>Council Bluffs</td>
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<td>Megan Elizabeth Myers</td>
<td>Nevada</td>
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<td>Abigail Susan Collins</td>
<td>Sheffield</td>
<td>Ashley Kay Nordmann</td>
<td>Hopkinton</td>
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<td>*** Jennifer E. Cordes</td>
<td>Macon, Ill.</td>
<td>Sarah Jean Petersen</td>
<td>Sioux City</td>
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<td>Jennifer J. Dittus</td>
<td>Marshalltown</td>
<td>Brittany Jo Robe</td>
<td>Council Bluffs</td>
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<td>Nyanhial Chol Gatluak</td>
<td>Omaha, Neb.</td>
<td>Cortney Catherine Runyan</td>
<td>Boone</td>
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<td>Tonya J. Hartwig</td>
<td>Battle Creek</td>
<td>Melissa Leigh Sommerfeld</td>
<td>Indianola</td>
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<td>Kayla Raelynn Hayek</td>
<td>Fairbank</td>
<td>Lori Ann Sorden</td>
<td>West Des Moines</td>
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<tr>
<td>Abby Rae Hunt</td>
<td>Council Bluffs</td>
<td>Jaimie Suzanne Stofferahn</td>
<td>Creston</td>
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<tr>
<td>Sarah Gunter Hunt</td>
<td>Madison, Wis.</td>
<td>Candice Jo Weed</td>
<td>Ute</td>
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<td>Katie Ann Julifs</td>
<td>Pomeroy</td>
<td>*** Samantha Leigh Young</td>
<td>Fort Dodge</td>
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<td>Jessica Rose Love</td>
<td>Marshalltown</td>
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**Curriculum in Dietetics**

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<tr>
<td>** Capella Tong</td>
<td>Hong Kong</td>
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**Curriculum in Early Childhood Education**

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<tr>
<td>Nichole Elizabeth Clapp</td>
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**Curriculum in Elementary Education**

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<td>Tricia Nichole Goodburn</td>
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<td>Kristin Marie Tierney</td>
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<td>Brian Jason Scott</td>
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<td>Matthew Walter Wisniewski</td>
<td>Iowa City</td>
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**Curriculum in Family Finance, Housing, and Policy**

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<td>** Michael Patrick Finley</td>
<td>Denison</td>
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<tr>
<td>Jacque Lea Stewart</td>
<td>Rolfe</td>
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* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
### Curriculum in Food Science

|琥珀安·丹纳曼  | Pomeroy  | 潘·陈·林  | 柔佛, 马来西亚 |

### Curriculum in Health and Human Performance

|凯特·路易丝·阿默曼  | Hinckley, Minn.  | 本杰明·D·范·海文伦  | Alton  |

* | 莫拉·九内特·麦克德莫特  | Delmar  |

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

|特里斯·库珀  | Burlington  | 克里斯汀·伊丽莎白·尼尔森  | Crete, Ill.  |

|阿什莉·玛丽·戈斯克  | Sergeant Bluff  |

### Curriculum in Kinesiology and Health

|杰西·A·安蒂尔曼  | Des Moines  | 阿图罗·利昂  | Estherville  |

|杰西卡·妮科尔·布莱文  | Sioux City  | 德雷克·雷纳·利尔斯科  | Cedar Falls  |

* | 查里萨·凯莉·卡林  | Springfield, Mo.  | サラ·妮可·利特韦尔  | Ames  |

|科迪·艾伦·克里尔  | Sioux City  | * | 西雅拉·亚历山大·马歇尔  | Cedar Falls  |

|梅根·丹尼尔·迪特里希  | Newton  | 乔·詹姆斯·麦克科尔德  | Ames  |

|克里斯托弗·R·多斯特  | Grant City, Mo.  | 尼克·K·米勒  | Milford  |

|萨曼莎·安·弗里  | Le Mars  | 理查德·迈克尔·新顿  | Preston, England  |

|瑞安·乔纳森·格伦尼  | Muscatine  | 杰米·琳恩·奥尔森  | McCallsburg  |

|凯西·詹姆斯·格里斯  | Onawa  | 安德烈亚·盖尔·奥特  | Lake City  |

|洛根·帕特里克·O·瑞尔·格里芬  | Ames  | 安德烈亚·苏·波托夫  | Corning  |

|雪莉莎·鲁卡斯·格里芬  | Ames  | 伊丽莎白·阿什利·拉马森  | Webster City  |

|林赛·苏·海斯  | Aurelia  | 科林·阿丽塞·拉波恩  | Independence  |

|杰西卡·琳·伊多恩斯  | Hemingford, Neb.  | 蒂瑞莎·唐·斯波尔斯特拉  | Leighton  |

|凯蒂·妮可·詹宁斯  | Nevada  | 蒂尼林·肖·斯沃尔德  | Ottumwa  |

|伊丽莎白·安·卡佩斯  | Ames  | 安默·琳·韦伯  | Greenfield  |

|杰西卡·路易丝·柯比  | Keokuk  | 威尔特·雷·威斯利  | Boise, Idaho  |

|gregory raymond kischer  | Waukegan, Ill.  | Alexandra Heyer Zwiefel  | Ankeny  |

### Curriculum in Nutritional Science

|约书亚·迈克尔·塞德登  | Creston  |

### Multiple Curricula

|梅根·珍·库明斯  | Sioux City  | 本杰明·D·范·海文伦  | Alton  |

* 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**
- Blake Michael Bach
- Clinton Floyd Brocka
- Rachel Ann Cook
- **Kadi Ann Gibson**
- Allison Faye Gus
- West Des Moines
- Clive
- West Des Moines
- Boone
- Ashley Kay Nordmann
- Breanne Kathleen Opitz
- Jill Marie Rosenberger
- Allison Jane Severson
- Hopkinton
- Edina, Minn.
- Des Moines
- Clarion

**Major in Chemistry**
- Brandon Bryce Janssen
- Ames
- Joshua Michael Whitesell
- Sioux City

**Major in Communication Studies**
- Tiffany Lynn Beardsley
- Eldora
- Natalie Ann Mason
- Waverly
- Melissa Lynn Delaney
- Lake Park
- Eric Allen Schultz
- Beaver Dam, Wis.
- Cassie Ann DeWaay
- Archer
- Courtney Ann Sikora
- Havelock
- Jordan Dean Jurgens
- Thornton
- Natalie Ann Mason
- Waverly
- Keely Jean Kristen Griffith
- Ankeny
- Amos
- Sara Lynn Wendling
- Woodbury, Minn.
- Edward Allen Schultz
- Ankeny
- Science Park
- David Michael Johnson
- Des Moines
- Michael A. DeRosa
- Ankeny
- Gregory Myron Paul Mahieu
- Des Moines
- Daniel Robert Froese
- Gages Lake, Ill.
- Daniel Robert Froese
- Gages Lake, Ill.

**Major in English**
- Emily Park Burke
- Altoona
- Sara Lynn Wendling
- Woodbury, Minn.
- Denna S. Morgan
- Mount Vernon

**Major in French**
- Jonathon Benjamin Albaugh
- Des Moines

**Major in Interdisciplinary Studies (Asian Cultures and Marketing)**
- Jenna Laine Rinehart
- Marion

**Major in Interdisciplinary Studies (Criminology and Criminal Justice)**
- Coleman Steven Bell
- Ankeny
- Keely Jean Kristen Griffith
- Ames
- Jonna Lorraine Conlon
- Humboldt
- Stephanie Ann Jackson
- Des Moines
- Michael A. DeRosa
- Ankeny
- David Michael Johnson
- Des Moines
- Daniel Robert Froese
- Gages Lake, Ill.
- Gregory Myron Paul Mahieu
- Davenport

* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
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**Major in Journalism and Mass Communication**

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<td>Andrew Guy Flater</td>
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<td>Megan Marie Gibson</td>
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<td>Trevor J. Ray</td>
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<td>Virginia Ann Zantow</td>
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**Major in Linguistics**

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<tr>
<td>Timothy Paul McQuillan</td>
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**Major in Music**

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<tr>
<td>Katie Jane Christensen</td>
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**Major in Performing Arts**

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<td>Michael William Rubke</td>
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**Major in Philosophy**

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<td>Joshua Ryan Gilmore</td>
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<td>Paul Salvatory Mosha</td>
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**Major in Political Science**

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<tr>
<td>Adam W. Charlet</td>
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<td>Derek Thomas Moran</td>
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<td>Jacob Lee Paulaitis</td>
<td>Jacksonville, Fla.</td>
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**Major in Psychology**

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**Major in Sociology**

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<tr>
<td>Hannah Jean Bowie</td>
<td>Lowden</td>
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<td>Travis Lee Ferguson</td>
<td>Waterloo</td>
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* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
Major in Spanish

Samantha Rae Kapaun
Stacy Nicole Morrissey
Joshua Michael Whitesell

Major in Women’s Studies

* Rachel Le Gronbach

Multiple Curricula and Majors

Samantha Rae Kapaun
Stacy Nicole Morrissey
Joshua Michael Whitesell

BACHELOR OF LIBERAL STUDIES

Curriculum in Liberal Studies

Rachael Marie Baethke
Amanda Lynn Berg
Joseph Patrick Blaes
Ashley C. Blau
Ashley Rose Boysen
Kyle M. Burghart
Elizabeth Mary Elwakeil
Andrew John Finnegan
Nitin Gadia
Jamie L. Gee
Allissa Jean Gilbert
Michael James Gluesing
Jeffery Ross Hartwigsen

Houston Oneil Jones
Yvette Marie Louisell
Christopher Thomas Lyng
Matthew Kerry McGrath
Dipayan Mitra
Candace Suzette Ryun
Laurie Winslow Sargent
Tara Jo Sebring
Lindsey Nicole Sherwood
James Vladimyr Smith
Allison Nichole Sumner
Stephen S. Walker

Polk City
Marshalltown
Cherryvale, Kans.
Ames
Dunlap
Crystal Lake, Ill.
Lansing
Waterloo
Ames
Bondurant
Camanche
Ames

Columbia City, Ind.
Mount Pleasant
Ames
Mount Pleasant
Clear Lake
Mount Pleasant
Oklahoma City, Okla.
Warsaw, Ind.
Mount Pleasant
Mount Pleasant
Covington, Ky.
Mount Pleasant

** Yvette Marie Louisell
Christopher Thomas Lyng
Matthew Kerry McGrath
Dipayan Mitra
Candace Suzette Ryun
Laurie Winslow Sargent
Tara Jo Sebring
Lindsey Nicole Sherwood
James Vladimyr Smith
Allison Nichole Sumner
Stephen S. Walker

Mitchellville
Pella
Council Bluffs
Ames
Carlsile
Ames
Boone
West Des Moines
Council Bluffs
Clive
Houston, Tex.

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

**Curriculum in Music**

<table>
<thead>
<tr>
<th>Student Name</th>
<th>University</th>
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<tbody>
<tr>
<td>Andrea Noelle O'Connor</td>
<td>Grinnell</td>
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</tbody>
</table>

## Bachelor of Science

**Curriculum in Liberal Arts and Sciences**

### Major in Anthropology

<table>
<thead>
<tr>
<th>Student Name</th>
<th>City, State</th>
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<tbody>
<tr>
<td>Normandy Tess Karaffa</td>
<td>Sanford, Maine</td>
</tr>
<tr>
<td>Jacqueline Jae Tuttle</td>
<td>Ames</td>
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### Major in Biology

<table>
<thead>
<tr>
<th>Student Name</th>
<th>City, State</th>
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<tbody>
<tr>
<td>Emily Alice Bowe</td>
<td>Oshkosh, Wis.</td>
</tr>
<tr>
<td>Emily D. Lemburg</td>
<td>Davenport</td>
</tr>
<tr>
<td>Matthew Stephen Lesan</td>
<td>Lamoni</td>
</tr>
<tr>
<td>Rachel Marie Wergin</td>
<td>Des Moines</td>
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<tr>
<td>Linda Mae Wild</td>
<td>Randall</td>
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### Major in Chemistry

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<tr>
<th>Student Name</th>
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<tbody>
<tr>
<td>Terence Cody Hutcheson</td>
<td>Cedar Falls</td>
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### Major in Economics

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<tr>
<th>Student Name</th>
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<tbody>
<tr>
<td>Pardeep Kaur</td>
<td>Buena-Park, Calif.</td>
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### Major in Genetics

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<tr>
<th>Student Name</th>
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<tbody>
<tr>
<td>Abhijeet Bharat Shah</td>
<td>Hyderabad, India</td>
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### Major in Geology

<table>
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<tr>
<th>Student Name</th>
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<tbody>
<tr>
<td>Scott Allen McFadden</td>
<td>Ankeny</td>
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### Major in History

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<tr>
<th>Student Name</th>
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<tbody>
<tr>
<td>Derek Scott Logas</td>
<td>Burlington</td>
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<tr>
<td>Chavis Osborne Nissly</td>
<td>Iowa Falls</td>
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<tr>
<td>Darrek Donavan Orwig</td>
<td>Jefferson</td>
</tr>
<tr>
<td>John Joseph Yost</td>
<td>Des Moines</td>
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* * Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
### Major in Journalism and Mass Communication

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<th>Name</th>
<th>City/State</th>
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<tr>
<td>Ross Alan Boettcher</td>
<td>West Des Moines</td>
<td>Brittany Marie McGuire</td>
<td>Garner</td>
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<tr>
<td>Erin E. Curry</td>
<td>Windsor, Calif.</td>
<td>Daniel Timothy Moylan</td>
<td>Omaha, Neb.</td>
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<tr>
<td>*Amy Lynn Flahive</td>
<td>Albia</td>
<td>Tyler Jay Neuschwanger</td>
<td>Collins</td>
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<tr>
<td>Troy N. Jansen</td>
<td>Sully</td>
<td>Grant T. Olsen</td>
<td>Wessington Springs, S. Dak.</td>
</tr>
<tr>
<td>*Linsey Marie Lubinus</td>
<td>Ames</td>
<td>Silas John Pippitt</td>
<td>Kansas City, Kans.</td>
</tr>
<tr>
<td>Brandon Patrick McCauley</td>
<td>Nevada</td>
<td>Adrienne Leigh Smith</td>
<td>Holstein</td>
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### Major in Mathematics

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<th>Name</th>
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<tr>
<td>Andrew James Flygare</td>
<td>North Mankato, Minn.</td>
<td>Thomas Michael Heafey</td>
<td>Omaha, Neb.</td>
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<td>Kyu Min Song</td>
<td>Seoul, Korea</td>
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### Major in Meteorology

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<th>Name</th>
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<tr>
<td>Logan Ray Karsten</td>
<td>Des Moines</td>
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### Major in Physics

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<tbody>
<tr>
<td>Nathan James Abma</td>
<td>Clarinda</td>
<td>Kyle Robert McFadden</td>
<td>Fairfield</td>
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### Major in Psychology

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<th>Name</th>
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<tbody>
<tr>
<td>Sarah J. Bennett</td>
<td>Ankeny</td>
<td>Kelly Elizabeth Mortier</td>
<td>Davenport</td>
</tr>
<tr>
<td>Sarah Kathryn Geerdes</td>
<td>Webster City</td>
<td>Kyla Jade Naig</td>
<td>Cylinder</td>
</tr>
<tr>
<td>*Brandon J. Gil</td>
<td>Edina Minn.</td>
<td>Brenton Nathaniel Parmenter</td>
<td>Urbandale</td>
</tr>
<tr>
<td>Sable Dominique Jackson</td>
<td>Ashland, Va.</td>
<td>Daniel David Poshek</td>
<td>Stillwater, Minn.</td>
</tr>
<tr>
<td>Arnold Yoon-Foong Kong</td>
<td>Kuala Lumpur, Malaysia</td>
<td>Samantha Alyse Roberts</td>
<td>Boone</td>
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<tr>
<td>Michael Dean Lasley</td>
<td>Ames</td>
<td>Meagan Emily Schaaf</td>
<td>Boone</td>
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<tr>
<td></td>
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<td>Megan Rachel Ward</td>
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### Major in Sociology

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<th>Name</th>
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<tbody>
<tr>
<td>Sarah Elizabeth Frundle</td>
<td>Montour</td>
<td>Megan Marie Marth</td>
<td>Vail</td>
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### Major in Statistics

<table>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>***Kevin Michael Kasper</td>
<td>Ankeny</td>
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### Major in Technical Communication

<table>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Mark David Sanfilippo</td>
<td>Manchester</td>
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</tbody>
</table>
Multiple Majors

** Brittany Amanda Blunk  Grinnell
Anthropology and Environmental Studies

Teri Elizabeth Harms  Harris
Psychology, Interdisciplinary Studies
(Criminology and Criminal Justice), and
Sociology

Megan Marie Krueger  Homestead
Journalism and Mass Communication and
Sociology

Amalia Catherine Riordan  Menlo
Sociology and Interdisciplinary Studies
(Criminology and Criminal Justice)

Jennifer Lynn Ross  Des Moines
Sociology and Interdisciplinary Studies
(Criminology and Criminal Justice)

Rick A. Stammer  Muscatine
Economics and Political Science

Heather Marie Teply  Algona
Sociology and Interdisciplinary Studies
(Criminology and Criminal Justice)

Zachary Taylor Thomas  Ames
Sociology and Interdisciplinary Studies
(Criminology and Criminal Justice)

* 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 2009 Senior Class Council is comprised of 10 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 a senior shirt and a commemorative Iowa State glass; and the Senior Sendoff, a brand new event for seniors at the new 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 selects a gift to donate to the University. This year the Class of 2009 elected to support the renovation CyRide bus shelters on campus, and add additional shelters at heavily-trafficked bus stops.

Finally, Senior Class Council invites you and your families to the Iowa State Alumni Center immediately following this commencement ceremony. Enjoy cake and refreshments and a chance to see your new Alumni Center. We hope you can join us!

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.

2009 Senior Class Council Leadership

President: Mark Kline
Vice-President: Sarah Wassick

Council Members:

Michael Doran
Ashley Gosch
Laura Herke
Ingrid Idso
Timmy Marrinan
Ashley Nelson
Steven Walter
Josh Williams
Candidates for Commissions

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

United States Army

Ashley C. Blau
Daniel R. Greaser

United States Navy

Lawrence L. Schuman Jr.
Curtis R. Westpfahl
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 Keffner, 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 Wilson, Master of Agriculture; became U.S. Secretary of Agriculture; was the first of four Iowa State graduates to serve as U.S. Secretary of Agriculture.
1903: Robert B. Armstrong, Master of Philosophy.
1903: W.T. Hornaday, Master of Philosophy; world-famed naturalist and zoologist.
1907: J. C. Blair, Master of Agriculture.
1907: I. B. Schreckengast, Master of Philosophy.
1908: Virginia Corbett, Master of Philosophy; 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 Keffner, Doctor of Science.
1914: George L. McKay, Doctor of Science; recognized for his work in dairying.
1914: James Wilson, Doctor of Science.
1915: Marion Dorset, Doctor of Veterinary Medicine.
1915: LaVerne Noyes, Doctor of Engineering; received B.S. in 1872 from Iowa State in the first graduating class.
1916: Clarence Henry Eckles, 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: W.C. Armstrong, Doctor of Engineering; in charge of the building of the Northwestern Depot in Chicago.
1920: Joseph Charles Arthur, Doctor of Science; received M.S. degree in 1877, which was the first advanced degree from Iowa State; first librarian at Iowa State.
1920: Alfred Atkinson, Doctor of Science; president of Montana State College of Agriculture.
1920: Carlton R. Ball, Doctor of Science; agronomist with the USDA and an authority on plant rust.
1920: Isabel Bevier, Doctor of Science; head of the Department of Home Economics at the University of Illinois.
1920: Dean 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: Wilmot Newell, Doctor of Science; responsible for the eradication of the citrus canker in the U.S.
1920: R. A. Oakley, Doctor of Science; agronomist in charge of seed distribution in the U.S. Department of Agriculture.
1920: Thomas L. Smith, Doctor of Engineering; prominent mechanical engineer and inventor.
1921: Carrie Chapman Catt, Doctor of Laws; 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 Luckieseh, 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 Mollyneaux Hughes, Doctor of Laws; president of Iowa State from 1927 to 1936; his Handbook for College Trustees was well regarded.
1940: Maria M. Roberts, Doctor of Laws; professor of mathematics and dean of the Junior College at Iowa State.
1944: Rush B. Lincoln, Doctor of Science.
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 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 Advisary 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.

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: Florence Alberta Failingater, Doctor of Science; head of the Department of Home Economics Education at Iowa State.

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

1958: Robert Earle Buchanan, Doctor of Science; 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: Herbert Henry 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 Snedecor, Doctor of Science; organized the Statistical Laboratory; first head of the Department of Statistics.

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

1958: Robert Earle Buchanan, Doctor of Science; chief of the U.S. Forest Service.

1958: Charles Concordia, Doctor of Science; one of the most distinguished power systems engineers in the world.

1958: George Washington Carver, Doctor of Humanities; received B.S. in 1894; M.S. 1896; first African-American Student at Iowa State; world renowned plant scientist.

1959: Beth Baily McLean, Doctor of Science; 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.

1959: D. Gale Johnson, Doctor of Humanities; teacher and researcher of the agricultural economic problems in Russia and China.

1959: M. E. "Gene" Ensinger, Doctor of Humanities; achievements for his work in animal science, education and international agriculture.

1959: Simon Estes, Doctor of Humanities; 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 operatic music, philanthropy, and generosity to disadvantaged children.

1959: Emery N. Castle, Doctor of Humanities; recognized for his outstanding achievements in agricultural economics helping to improve the quality of life in rural America.

1959: 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.

1959: Federico Mayor, Doctor of Science; recognized for his extraordinary achievements as a biochemist and for promoting peace in the Middle East and throughout the world.

2000: John Vincent Atanasoff, Doctor of Science; 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.

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

2001: Keith Yamamoto, Doctor of Science; internationally known research scientist and a leader in national science policy; known for his breakthrough work on steroid hormone receptors.

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

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

2002: Dr. M. Daniel Lane, Doctor of Humane Letters; recognized for remarkable contributions to research in the fields of biochemistry and nutrition; his research on the development and functions of adipocytes has made him an international leader in understanding the development and mechanisms underlying obesity; his studies have resulted in the discovery of a novel appetite-controlling drug and other important insights into basic mechanisms of appetite control; he continues to perform 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 was appointed a member 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; Fullbright Lecturer and Guggenheim Fellow at Technische Universiteit, Delft, The Netherlands; Fullbright Professor at Kyoto University and Nagoya University, Japan; Fullbright 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. Awards include: Horatio Alger Award, Iowa Business Leader of the Year, Iowa Business Hall of Fame, Beta Gamma Sigma Medallion for Entrepreneurship, Meredith Wilson Heritage Award, Ellis Island Medal of Honor, and the first Iowan to receive the Woodrow Wilson Award for Corporate Citizenship. He and his wife launched the Pappajohn Centers for Entrepreneurship at several Iowa colleges. They received the Iowa Philanthropist of the Year Award in 1998, and were named 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 (1985-1991). Helped establish more than 15 applied research centers and technology transfer organizational structures and mechanisms. Involved with Institute for Physical Research and Technology (IPRT) and Center for Crops Utilization Research (CCUR). Served as senior adviser to U.S. Departments of State and Commerce on science and technology policy related to intelligence and national security; a Fellow of the National Academy of Public Administration; and member, Council on Foreign Relations.

2008: Kenneth M. Quinn, Doctor of Humane Letters; 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/MIA’s; and member of the US-Russia POW/MIA Commission. Considered one of the US government’s foremost experts on Indochina. Doctoral dissertation was on the origins of the radical Pol Pot regime; widely acknowledged as the first person to discover and report on the genocidal policies and practices of the Khmer Rouge in 1974. In 1999, as Ambassador, played a pivotal role in the capture of the last remaining Khmer Rouge general, for causing the deaths of up to two million Cambodians. Fluent in Vietnamese, acted as interpreter for President Ford and personally negotiated the first ever entry by US personnel into a Vietnamese prison to search for American POW/MIA’s. Member of the first US team to ever gain entry to a Russian prison for a similar search.

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.