FALL COMMENCEMENT
Friday, December 19, 2008
Saturday, December 20, 2008
Dear Iowa State University Graduates and Guests:

Welcome to Iowa State University’s Fall 2008 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 151st 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,

[Signature]

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

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

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

Created in bronze, silver and tiger maple, the Iowa State University mace incorporates important campus icons such as the campanile located on central campus and the Fountain of Four Seasons, located on the north side of the Memorial Union and features likenesses of four Native American women. The sculptures were created in 1941 by Christian Petersen, sculptor-in-residence from 1934-1955.

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

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

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

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

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

The Official University Mace

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

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

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

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

Both the presidential chain of office and the mace are housed in the alumni center and are used at each commencement ceremony.
In May 2008, as part of its sesquicentennial celebration, Iowa State University debuted custom-designed doctorate regalia. The special commencement doctorate gowns were created with emblems and colors to reflect Iowa State’s tradition and to complement Iowa State’s hood. The fabric is cardinal red gabardine with black velvet panels and chevrons edged with gold cording. The Campanile, a beloved symbol and University tradition, adorns each of the two front velvet panels. An eight-sided black velvet tam with a gold silk tassel completes the official regalia.

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

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

The Code dictates that bachelor's and master's gowns are untrimmed. However, the doctor's gown is faced down the front with velvet and has three bars of velvet across the sleeves. The facing and bars may be black or may be a color pertaining to the discipline. The color of the commencement gown varies in other countries. In America, black is typically the color of choice for bachelor's and master's degrees.

The square shape of the scholar's cap or mortarboard is thought to denote the stability of scholars and their books as suggested in the old poem, “The Ballad of the Cap,” first published in 1564. Candidates for advanced degrees wear black tassels. The following is a list of tassel colors for baccalaureate degree candidates:

- Agriculture and Life Sciences – Maize
- Business – Drab
- Design – Brown
- Engineering – Orange
- Human Sciences – Maroon
- Liberal Arts and Sciences
  - Bachelor of Arts – White
  - Bachelor of Liberal Studies – White
  - Bachelor of Music – Pink
  - Bachelor of Science – Golden Yellow
- Veterinary Medicine – Gray

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

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

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

The final stage of the program is the preparation and defense of a dissertation that describes the outcome of a major research project. To prepare for that project, the student must have gained expertise and skills in a particular discipline and must have thoroughly explored its existing knowledge base.

Those who receive doctorates have demonstrated that they are truly experts in their fields whose research has already contributed significantly to human knowledge.

The hooding ceremony symbolizes their admission to the exclusive ranks of those who have earned the respect associated with the title “Doctor of Philosophy.”

During the hooding ceremony, the degree recipients are escorted and hooded by their major professors who have worked with them throughout their study for the doctoral degree. The hoods will connect the graduate with a family of scholars throughout history and from all parts of the world.

Special Recognition, Advanced Degrees

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

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

The Research Excellence Award recognizes those 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 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.

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

* * * Summa Cum Laude - with highest distinction (cardinal and gold cords)
* * Magna Cum Laude - with great distinction (gold cords)
*   Cum Laude - with distinction (cardinal cords)
†   Honors Program (white cords)
**ACADEMIC TITLES**

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

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

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

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

‡ Distinguished Professor
‡‡ University Professor
❖ Endowed Chair
❖❖ Endowed Professorship

**IOWA STATE UNIVERSITY TRADITIONS**

*Information Provided by the Iowa State University Alumni Association*

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

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

- VEISHEA, an all-university spring open house first organized in 1922, is among the nation’s largest university student-managed festivals. The festival got its name from the first letters of Iowa State's 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.
GRADUATE COMMENCEMENT CEREMONY

Platform Officials

Gregory L. Geoffroy, President of the University
Theodore H. Okishi, Interim Vice President for Research and Economic Development and Speaker
Elizabeth Hoffman, Executive Vice President and Provost
David K. Holger, Associate Provost for Academic Programs
Thomas L. Hill, Vice President for Student Affairs
Todd R. Holcomb, Associate Vice President for Student Affairs
Dione D. Somerville, Dean of Students
Jeffery W. Johnson, President of the Alumni Association
Kathleen M. Jones, Assistant Vice President for Enrollment and Registrar of the University

Mark C. Engelbrecht, Dean of the College of Design
Labh S. Hira, Dean of the College of Business
Wendy Wintersteen, Dean of the College of Agriculture and Life Sciences
Pamela J. White, Interim Dean of the College of Human Sciences
James E. Bernard, Interim Dean of the College of Engineering
David J. Oliver, Associate Dean of the College of Liberal Arts and Sciences
James R. Bloedel, Interim Associate Dean for Research of the College of Veterinary Medicine
Olivia M. Madison, Dean of the Library
Clark F. Ford, Faculty Senate President

Faculty Representatives and Presenting Professors

Amy H. Andreotti, Biochemistry, Biophysics, and Molecular Biology
Robert H. Bosselman, Apparel, Educational Studies, and Hospitality Management
Clark R. Coffman, Genetics, Development, and Cell Biology
Carolyn E. Cutrona, Psychology
Nancy J. Evans, Educational Leadership and Policy Studies
Ning Fang, Chemistry
Steven A. Freeman, Agricultural and Biosystems Engineering
Mark L. Gleason, Plant Pathology
Manimaran Govindarasu, Electrical and Computer Engineering
Joseph N. Gray, Mechanical Engineering
David Grewell, Agricultural and Biosystems Engineering
Yong Guan, Electrical and Computer Engineering
Cheryl O. Hausafus, Apparel, Educational Studies, and Hospitality Management
Suzanne Hendrich, Food Science and Human Nutrition
Steven J. Hoff, Agricultural and Biosystems Engineering
Leslie Hogben, Mathematics
Vasant Honavar, Computer Science
Robert S. Houk, Chemistry
Hui Hu, Aerospace Engineering
Sara J. Kadolph, Apparel, Educational Studies, and Hospitality Management
Ahmed E. Kamal, Electrical and Computer Engineering
Michael R. Kessler, Materials Science and Engineering
Frankie Santos Laanan, Educational Leadership and Policy Studies
Michael Lee, Agronomy
Matthew Z. Liebman, Agronomy

Robyn R. Lutz, Computer Science
Antonio P. Mallarino, Agronomy
James D. McCalley, Electrical and Computer Engineering
Gordon J. Miller, Chemistry
Gary P. Munkvold, Plant Pathology
Ron M. Nelson, Mechanical Engineering
Marit Nilsen-Hamilton, Biochemistry, Biophysics, and Molecular Biology
Sarah M. Nusser, Statistics
Forrest W. Nutter, Plant Pathology
Mary Jane Oakland, Food Science and Human Nutrition
Haemoon Oh, Apparel, Educational Studies, and Hospitality Management
Say Kee Ong, Civil, Construction, and Environmental Engineering
Carla A. Peterson, Human Development and Family Studies
Gary D. Phye, Curriculum and Instruction
Lulu A. Rodriguez, Greenlee School of Journalism and Communication
Lisa A. Schulte Moore, Natural Resource Ecology and Management
Brent H. Shank, Chemical and Biological Engineering
Yeon-Kyun Shin, Biochemistry, Biophysics, and Molecular Biology
Arunk. Somani, Electrical and Computer Engineering
Martin H. Spalding, Genetics, Development and Cell Biology
Catherine H. Strohbehn, Apparel, Educational Studies, and Hospitality Management
Sriram Sundararajan, Mechanical Engineering
Xiaoli Tan, Materials Science and Engineering

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

Kenneth C. Kruempel, Emeritus Associate Professor of Electrical and Computer Engineering, College of Engineering
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

Musicians

Conductor
Michael Golemo, Director of Bands

Vocalist
Brianna Weis

Trumpet
Matthew Butler
Matthew Gaunitz
Katharine Gay *
Kevin Muehlenthaler
Joel Rindfleisch
Ross Schumaker
Conner Tipping
Chad Zimmermann

French Horn
Sarah Baldus
Chloe Dedic
Lucy Ferneau
Laura Larabee
Christopher Truckenmiller

Trombone
Allen Chace
Burton Hable
Jeffrey Schmitt
Justin Wang
Seth Zimmermann

Euphonium
Omar Aleman
Teresa Goeddel

Tuba
John Carmicheal
Simon McCoy

Percussion
Evan Davis
Bridget Leahy

* graduating student
**Graduate College Program**

*8:00 p.m., Friday, December 19, 2008, C.Y. Stephens Auditorium*

**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

Brianna Weis, Vocalist

Introduction of Speaker

President Geoffroy

Commencement Address

Theodore H. Okiishi

Interim Vice President for Research and Economic Development

Interlude

*A Western Fanfare* ...................................................................................... Eric Ewazem

Recognition of Students Receiving Research Excellence Awards

and Teaching Excellence Awards

Provost Hoffman

Conferring of the Degree Doctor of Philosophy

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

Conferring of the Master’s Degree

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

President Geoffroy

The Class of 2008 and the Alumni Association

Jeffery W. Johnson

President

Iowa State University Alumni Association

Remarks

President Geoffroy

*The Bells of Iowa State* .............................................................................. James C. Wilson

arr. Michael Golemo

Brianna Weis, Vocalist

Refer to the back cover for the lyrics and history of *The Bells of Iowa State*

Recessional

*La Mourisque* ............................................................................................... Tylman Susato
Graduate Commencement Speaker

Ted Okiishi

Dr. Ted Okiishi is professor emeritus of mechanical engineering and interim Vice President for Research and Economic Development at Iowa State University.

Dr. Okiishi was born and raised in Honolulu, Hawaii, and is a third-generation U.S. citizen. He started college at the University of Hawaii and transferred to Iowa State University where he earned bachelor’s, master’s and Ph.D. degrees in mechanical engineering. In 1967, after a brief military career as a U.S. Army officer in Vietnam, he joined the ISU faculty as an assistant professor. During his career at Iowa State, he served as chair of the Department of Mechanical Engineering for five years and as Associate Dean for Research and Outreach for the College of Engineering for 12 years. He retired in 2007 and came out of retirement in 2008 to serve in his current position.

Dr. Okiishi and his graduate students worked on gas turbine engine fluid mechanics research sponsored by several companies and government agencies. Most of his research students spent considerable time on site at laboratories of GE Aviation, the NASA Glenn Research Center and Wright Patterson Air Force Base, and were mentored by eminent scholars of the time. Several of these former students have gone on to become leaders in gas turbine technology at prominent engine companies and laboratories. He and his graduate students have won two American Society of Mechanical Engineering (ASME) Melville Medals for best original papers (1989 and 1998), and he also credits the work of his graduate students with the International Lifetime Achievement Award from ASME that he received in 2008. He is the co-author of two widely used textbooks, including one intended to spark student interest in fluid mechanics, and he credits the success of this book to the numerous students who, over the years, sharpened and enriched its contents in the first and subsequent editions.

Dr. Okiishi served as editor of the Journal of Turbomachinery and as vice president of ASME and the American Society for Engineering Education. He is a Fellow of ASME and a registered Professional Engineer in Iowa and Ohio.

An active community volunteer, Dr. Okiishi serves on the boards of two organizations serving youth and at-risk youth, and he enjoys being a “listener” for first-grade readers. He and his wife, Rae Wiemers Okiishi, also an Iowa State B.S. and M.S. graduate, have four sons and six grandchildren.
## Candidates for Degrees from the Graduate College

### Doctor of Philosophy

<table>
<thead>
<tr>
<th>Candidate</th>
<th>Affiliation</th>
<th>Department</th>
<th>Major</th>
<th>Dissertation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Samsuzana Abd Aziz</td>
<td>Bandar Baru Bangi, Malaysia</td>
<td>Agricultural and Biosystems Engineering</td>
<td>Agricultural Engineering</td>
<td>Development of digital elevation models (DEMs) for agricultural applications</td>
</tr>
<tr>
<td>Karl Oscar Albrecht</td>
<td>South Sioux City, Neb.</td>
<td>Chemical and Biological Engineering</td>
<td>Chemical Engineering</td>
<td>Development and testing of a combined catalyst/sorbent core-in-shell material for the production of high concentration hydrogen</td>
</tr>
<tr>
<td>Mohammad Yousef Al-Shorman</td>
<td>Irbid, Jordan</td>
<td>Physics and Astronomy</td>
<td>Condensed Matter Physics</td>
<td>Nondestructive residual strain measurement using high energy x-ray diffraction</td>
</tr>
<tr>
<td>Careyn Patricia Armitage</td>
<td>Fresno, Calif.</td>
<td>Apparel, Educational Studies and Hospitality Management</td>
<td>Family and Consumer Sciences Education</td>
<td>Silk production and its impact on families and communities in Oaxaca, Mexico</td>
</tr>
<tr>
<td>M. Graeme Armstrong</td>
<td>West Des Moines</td>
<td>Educational Leadership and Policy Studies</td>
<td>Education (Educational Leadership)</td>
<td>Assessing computer fluency among adult learners in accelerated degree programs at a Midwestern liberal arts college</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Candidate</th>
<th>Affiliation</th>
<th>Department</th>
<th>Major</th>
<th>Dissertation</th>
</tr>
</thead>
<tbody>
<tr>
<td>†† Ryan Cardiff Atwell</td>
<td>Geneseo, Ill.</td>
<td>Natural Resource Ecology and Management</td>
<td>Ecology and Evolutionary Biology</td>
<td>Perennial vegetation, human adaptation, and resilience in the U.S. Corn Belt social-ecological system</td>
</tr>
<tr>
<td>Ye Bao</td>
<td>Wuxi, China</td>
<td>Chemistry</td>
<td>Analytical Chemistry</td>
<td>Enantiomeric separations and microorganism studies with analytical separation techniques</td>
</tr>
<tr>
<td>Mary S. Begalle</td>
<td>Mankato, Minn.</td>
<td>Apparel, Educational Studies and Hospitality Management</td>
<td>Foodservice and Lodging Management</td>
<td>Effectiveness of relationship marketing bonding tactics in predicting customer share in the public sector school foodservice market</td>
</tr>
<tr>
<td>Satyam Kumar Bhuyan</td>
<td>Guwahati, India</td>
<td>Mechanical Engineering</td>
<td>Mechanical Engineering</td>
<td>Investigation of tribological properties of biobased polymers and polymeric composites</td>
</tr>
<tr>
<td>Susan Adams Brennan</td>
<td>Cottage Grove, Minn.</td>
<td>Human Development and Family Studies</td>
<td></td>
<td>Differentiated instruction and literacy skill development in the preschool classroom</td>
</tr>
</tbody>
</table>

§ Research Excellence Award
†† Teaching Excellence Award
Paul William Brown  Stacyville
B.S., University of Wisconsin – Platteville; M.S., Ibid.
Department: Natural Resource Ecology and Management
Major: Forestry (Forest Economics)
Dissertation: Using the past to create a sustainable future for agriculture: Environmental and social landscape change in Iowa

Emmanuel Byamukama  Kampala, Uganda
B.Sc., Makerere University; M.Sc., Ibid.
Major: Plant Pathology
Dissertation: Bean pod mottle virus: Spatial and temporal dynamics at different spatial scales and the impact of time of infection on soybean yield and quality

Haibo Cao  Qiqihar, China
B.E., Zhejiang University
Department: Electrical and Computer Engineering
Major: Electrical Engineering
Dissertation: Intraocular pressure (IOP) passive sensor modeling, design, fabrication and measurement

Jessica Lynn Chapman  Neponset, Ill.
B.S., Truman State University; M.S., Iowa State University
Major: Statistics
Dissertation: Computationally efficient resource allocation for complex system reliability studies

Shakti Singh Chauhan  Alwar, India
B.Eng., University of Pune; M.S., Iowa State University
Department: Aerospace Engineering
Major: Engineering Mechanics
Dissertation: An experimental assessment of the size effects on the strength and ductility of freestanding Cu films under macroscopically homogenous deformation

Chao-Jung Chen  Taichung, Taiwan
B.S., Iowa State University; M.H.M., University of Houston
Department: Apparel, Educational Studies and Hospitality Management
Major: Foodservice and Lodging Management
Dissertation: College and university dining services administrators’ intention to adopt sustainable practices: An application of the theory of planned behavior

Lide Chen  Xiangfan, China
B.E., China Agricultural University; M.E., Ibid.
Department: Agricultural and Biosystems Engineering
Major: Agricultural Engineering
Dissertation: Mitigating odors from animal facilities using biofilters

Matthew William Clover  Peotone, Ill.
B.S., University of Illinois – Urbana Champaign; M.S., Ibid.
Department: Agronomy
Major: Soil Science (Soil Fertility)
Dissertation: Soil and fertilizer potassium impacts on corn and soybean grain yield, potassium uptake, and within-field grain yield variation

Jonathan I. Compton  Perry
B.A., Bryan College – Tennessee; M.A., Iowa State University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Leadership)
Dissertation: Factors influencing the postcollege earnings of Iowa community college career and technical education students from three career clusters

Jeremy E. Davis  Montpelier, Vt.
B.S., University of Vermont; M.S., Southern Illinois University - Carbondale
Department: Food Science and Human Nutrition
Major: Nutritional Sciences
Dissertation: Development of obesity-induced inflammation and insulin resistance: The role of adipose tissue, fatty acids, and toll-like receptors

Xiaodong Du  Ames
B.Eng., Jilin University of Technology; M.Econ., Ibid.; M.B.A., University of Kansas
Major: Economics
Dissertation: Essays on land cash rents, biofuels markets, and their interactions

Yasser Mohamed El-Manzalawy  Nasr City, Egypt
B.Sc., Al-Azhar University; M.Sc., Ibid.
Major: Computer Science
Dissertation: Machine learning approaches for epitope prediction

§ Research Excellence Award
†† Teaching Excellence Award
Onikia Nicole Esters  
Chicago, Ill.
B.S., Fort Valley State University;  
M.S., North Carolina A&T State University  
Department: Food Science and Human Nutrition  
Major: Nutritional Sciences  
Dissertation: Evaluating nutrition education programs: A look at cultural relevance and educator perceptions

Yaping Feng  
Jinhua, China  
B.S., Nankai University;  
M.S., Academia Sinica  
Department: Biochemistry, Biophysics, and Molecular Biology  
Major: Biochemistry  
Dissertation: New statistical potentials for improved protein structure prediction

Mohammad Amin Fraiwan  
Irbid, Jordan  
B.Eng., Jordan University  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Dissertation: Overlay networks monitoring

Mary Elizabeth Goodwin  
Crystal Lake, Ill.  
B.S., Iowa State University;  
M.S., Iowa State University  
Department: Agricultural and Biosystems Engineering  
Major: Industrial Education and Technology  
Dissertation: Gender role conflict, depression, and personality’s effect on help seeking behaviors, attitudes, and academic performance

Ashraf M. Hamad  
Redmond, Wash.  
B.S., Kuwait University;  
M.S., Ibd.  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Dissertation: All optical multicasting in wavelength routing mesh networks with power considerations: design and operation

Claver Pierre Hategikimanana  
Gitarama Ville, Rwanda  
B.A., Wartburg College;  
M.S., Dakota State University  
Department: Logistics, Operations and Management Information Systems  
Major: Human Computer Interaction  
Dissertation: Cognition and technology: Effectiveness of intelligent tutoring systems for software training

Andrew Howard Heggenstaller  
Avis, Pa.  
B.S., Pennsylvania State University;  
M.S., Iowa State University  
Department: Agronomy  
Majors: Crop Production and Physiology and Biorenewable Resources Technology  
Dissertation: Productivity and nutrient cycling in bioenergy cropping systems

†† Melanie Jean Heying  
Midland, Mich.  
B.A., Albion College  
Department: Chemistry  
Major: Organic Chemistry  
Dissertation: Photogenerated reactive intermediates from thiophene ylides: thiophenes, oxenes and carbenes, oh my

Longjie Hong  
Quanzhou, China  
B.Eng., Tsinghua University;  
M.S., Iowa State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Geotechnical Engineering)  
Dissertation: Optimization and management of materials in earthwork construction

Yi Hou  
Tianjin, China  
B.Sc., Jilin University;  
M.Sc., Nankai University  
Department: Genetics, Development and Cell Biology  
Major: Molecular, Cellular and Developmental Biology  
Dissertation: LTR retrotransposons in plants: mechanisms of targeted integration and applications in genome engineering

Jerrod Erle Houser  
Ames  
B.S., West Virginia University  
Department: Chemical and Biological Engineering  
Major: Chemical Engineering  
Dissertation: Modeling the steady-state growth of porous anodic alumina

Shuang Jia  
Urimuqi, China  
B.Sc., Peking University;  
Department: Physics and Astronomy  
Major: Condensed Matter Physics  
Dissertation: Magnetic properties of RT2Zn20  
R = rare earth, T = Fe, Co, Ru, Rh, Os and Ir

§ Research Excellence Award  
† † Teaching Excellence Award
Zheyun Jin  
Chaoyang, China  
B.Eng., Beijing University of Aeronautics and Astronautics;  
M.S., Ibid.  
Major: Aerospace Engineering  
Dissertation: Experimental investigations on micro-scale thermal fluid phenomena by using advance flow diagnostic techniques

Parijat S. Juvalle  
Dombivli, India  
B.Sc., University of Mumbai;  
M.Sc., Ibid.  
Department: Genetics, Development and Cell Biology  
Major: Molecular, Cellular and Developmental Biology  
Dissertation: Deciphering proteolytic processing of carbonic anhydrase 1 from Chlamydomonas reinhardtii

Angela Renee Kamps  
Slater  
B.S., Iowa State University  
Department: Genetics, Development and Cell Biology  
Major: Molecular, Cellular and Developmental Biology  
Dissertation: Studies of cell migration and programmed cell death: characterization and analysis of scattershot, a mutation disrupting germ cell migration and programmed cell death in Drosophila melanogaster

Kanaga Karupiah Kanaga Subramanian  
Chennai, India  
B.Eng., Birla Institute of Technology and Science;  
M.Sc., Ibid.;  
M.S., Iowa State University  
Major: Mechanical Engineering  
Dissertation: Effect of conformational change on nanoscale friction behavior of organic thin films

Mathumai Kanapathipillai  
Sri Lanka  
B.Sc.Eng., University of Peradeniya;  
M.S., Arizona State University  
Department: Chemical and Biological Engineering  
Major: Chemical Engineering  
Dissertation: Synthesis and characterization of smart block copolymers for biomineralization and biomedical applications

Changsung Kang  
Gimhae, South Korea  
B.S., Pusan National University;  
M.S., Ibid.  
Major: Computer Science  
Dissertation: Model testing for causal models

Ravishekar Kannan  
Bangalore, India  
B.Tech., Indian Institute of Technology – Madras;  
M.S., Michigan State University  
Major: Aerospace Engineering  
Dissertation: High order spectral volume and spectral difference methods on unstructured grids

Tricia Gorby Knoot  
Whitewater, Wis.  
B.A., University of Wisconsin – Madison;  
M.S., Iowa State University  
Department: Natural Resource Ecology and Management  
Major: Forestry  
Dissertation: The state, resilience, and potential future of oak-dominated forests in the Driftless Area of the midwestern U.S.

Warisara Lertpaitoonpan  
Bangkok, Thailand  
B.S., Rankhamhaeng University;  
M.S., Asian Institute of Technology  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Environmental Engineering)  
Dissertation: Sorption, degradation, and transport of sulfamethazine in soils and manureamended soils

Jiangwei Li  
Beijing, China  
B.Sc., Tsinghua University  
Department: Chemistry  
Major: Analytical Chemistry  
Dissertation: Applications of single-molecule detection in early disease diagnosis and enzymatic reaction study

Jie Li  
Shanghai, China  
B.S., Fudan University;  
M.S., Ibid.  
Departments: Genetics, Development and Cell Biology and Computer Science  
Majors: Bioinformatics and Computational Biology and Computer Science  
Dissertation: Data integration for biological network databases: MetNetDB labeled graph model and graph matching algorithm
Yuan Li  
Zhouzhi, China
B.Eng., Tsinghua University;  
M.Sc., Ibid;  
M.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: Decision making under uncertainty in power system using Benders decomposition

‡ † †  
§  
Jiang Lin  
Wuhan, China  
B.Eng., Huazhong University of Science and Technology  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Dissertation: Thermal modeling and management of DRAM memory systems

Erik Lind  
Oskaloosa  
B.A., Baylor University;  
M.S., Indiana University;  
M.S. Ibid.  
Department: Kinesiology  
Major: Kinesiology (Behavioral Basis of Physical Activity)  
Dissertation: The role of an audio-visual attentional stimulus in influencing affective responses during graded cycling exercise

Jing Liu  
Changsha, China  
B.Sc., East China University of Science and Technology  
Major: Computer Science  
Dissertation: Safety analysis of software product lines using state-based modeling and compositional model checking

Ping Lu  
Hefei, China  
B.E., Tongji University;  
M.A., Wayne State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Structural Engineering)  
Dissertation: A statistical based damage detection approach for highway bridge structural health monitoring

Maria Laura Mayor  
Colon, Argentina  
Ing.Agr., National University of Rosario – Zavalla;  
Magis., Ibid.  
Department: Agronomy  
Major: Plant Breeding  
Dissertation: Genetic analysis of ear development and tassel architecture in maize (Zea mays L. ssp. mays)

John Blakely Mertz  
West Bend  
B.S., Loras College  
Department: Chemical and Biological Engineering  
Major: Chemical Engineering  
Dissertation: Computational analysis of the phylogeny and thermodynamics of glycoside hydrolases

Joshua David Messerly  
Finchford  
B.S., University of Northern Iowa  
Department: Chemistry  
Major: Analytical Chemistry  
Dissertation: Current developments in laser ablation - inductively coupled plasma – mass spectrometry for use in geology, forensics, and nuclear nonproliferation research

Rana Catherine Mikkelson  
Union Grove, Wis.  
B.A., Kalamazoo College  
Major: Mathematics  
Dissertation: Minimum rank of graphs that allow loops

Lie Min  
Qianjiang, China  
B.Sc., Sichuan University;  
M.Sc., Ibid.  
Department: Biochemistry, Biophysics, and Molecular Biology  
Major: Biochemistry  
Dissertation: Interleukin-2-tyrosine kinase substrate docking and its regulation by an intramolecular interaction in phospholipase Cg1

§  
Sumohan Misra  
Kolkata, India  
B.Sc., Delhi University;  
M.S., Michigan State University  
Department: Chemistry  
Major: Inorganic Chemistry  
Dissertation: Structural flexibility in magnetocaloric RE,T$_4$ (RE = rare-earth; T = Si, Ge, Ga) materials: Effect of chemical substitution on structure, bonding and properties

§  
Melissa Tabada Montalbo-Lomboy  
Bacolod City, Philippines  
B.S., University of St. La Salle;  
M.E., Asian Institute of Technology  
Department: Agricultural and Biosystems Engineering  
Major: Biorenewable Resources Technology  
Dissertation: Ultrasound pretreatment for enhanced saccharification and fermentation of ethanol production from corn
Dana James Morrone  
Nashua, N.H.
B.S., Case Western Reserve University
Department: Biochemistry, Biophysics, and Molecular Biology
Major: Biochemistry
Dissertation: On the biosynthesis of labdane-related diterpenoids by class I synthases and P450s: a mechanistic perspective

Jennifer Marie Murnane  
Omaha, Neb.
B.S., University of Nebraska – Omaha;
M.B.A., Ibid.
Department: Apparel, Educational Studies and Hospitality Management
Major: Family and Consumer Sciences Education
Dissertation: Valuing stakeholder knowledge: An interpretive study of knowledge cultivation and enablement in a nonprofit human services organization

Mira Nurmakhanova  
Almaty, Kazakhstan
Dipl., Kazakh State University;
Kand., Ibid.;
M.A., Kazakhstan Institute of Management Economics
Major: Economics
Dissertation: Essays on fall fertilizer application

Michael Wayne Parsons  
Johnston
B.S., California Polytechnic State University;
M.S., Ibid.;
M.S. Iowa State University
Major: Plant Pathology
Dissertation: Computational analysis and prediction of protein-RNA interactions

James M. Peterson  
Eden Prairie, Minn.
B.S., Minnesota State University
Department: Veterinary Microbiology and Preventive Medicine
Major: Genetics
Dissertation: The characterization of Escherichia coli 4.5S RNA and the importance of its highly conserved residues for protein localization and protein synthesis

Jeffrey Lynn Platt  
Mason City
B.A., Saint Ambrose University;
M.S., Iowa State University
Department: Curriculum and Instruction
Major: Education (Curriculum and Instructional Technology)
Dissertation: The efficacy of an electronic performance support system as a training tool for online faculty

Elizabeth Anne Pomery  
West Lafayette, Ind.
B.A., Purdue University – West Lafayette;
M.S., Iowa State University
Major: Psychology
Dissertation: The influence of positive and negative affect on the processing of outcome expectancies related to risky sexual practices

Weiguo Qu  
Beijing, China
B.Eng., Tsinghua University;
M.Eng., Ibid.
Major: Materials Science and Engineering
Dissertation: In-situ TEM investigation of the phase transitions in perovskite ferroelectrics

Ivan Peter Ramler  
Watkins, Minn.
B.A., University of Minnesota – Morris;
M.S., Iowa State University
Major: Statistics
Dissertation: Improved statistical methods for k-means clustering of noisy and directional data

Rahul Ravindrudu  
Ames
B.Tech., Indian Institute of Technology – Bombay;
M.S. Iowa State University
Major: Computer Science
Dissertation: An integrated software environment for protein structure refinement

Souvik Ray  
Ames
B.Ch.E., Jadavpur University;
M.S., University of Louisiana at Lafayette
Department: Electrical and Computer Engineering
Major: Computer Engineering
Dissertation: Design and analysis of anonymous communications for emerging applications

Victor Jason Raymond  
Minneapolis, Minn.
B.A., Macalester College;
M.S., Iowa State University
Major: Sociology
Dissertation: The effect of social inequality on civil society access and participation in communities in rural Iowa
Michelle Lenae Rusch  
Ames  
B.S., Iowa State University;  
M.S., DePaul University  
Department: Computer Science  
Major: Human Computer Interaction  
Dissertation: Relationships between user performance and spatial ability in using map-based software on pen-based devices

Nathan Joe Saetveit  
New London, Minn.  
B.A., Concordia College  
Department: Chemistry  
Major: Analytical Chemistry  
Dissertation: Inductively coupled plasma: Fundamental particle investigations with laser ablation and applications in magnetic sector mass spectrometry

§ Harold Salazar Isaza  
Pereira, Colombia  
Dipl., Universidad Tecnologica de Pereira; Maest., Ibid.  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: Economic analysis of transmission enhancement through merchant projects

§ Jeffry David Sander  
Carroll  
B.S., Iowa State University  
Department: Genetics, Development and Cell Biology  
Major: Bioinformatics and Computational Biology  
Dissertation: Characterization and design of C2H2 zinc finger proteins as custom DNA binding domains

Satyalakshmi Saripalli  
Hyderabad, India  
B.Tech., Indian Institute of Technology  
M.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: Transport properties in nanocrystalline silicon and silicon germanium

§ Xia Sheng  
Xi’An, China  
B.Eng., University of Science and Technology; M.Eng., Ibid.  
Major: Materials Science and Engineering  
Dissertation: Polymer nanocomposites for high-temperature composite repair

Jee Hye Shin  
Seoul, South Korea  
B.S., Yonsei University;  
M.B.A., Sejong University;  
M.S., University of Nevada – Las Vegas  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Foodservice and Lodging Management  
Dissertation: The concept of subjective well-being and its process in restaurant experiences

§ Prachand Shrestha  
Kathmandu, Nepal  
B.Tech., Malaviya National Institute of Technology;  
M.S., Iowa State University  
Department: Civil, Construction and Environmental Engineering  
Majors: Civil Engineering (Environmental Engineering) and Biorenewable Resources Technology  
Dissertation: Enhanced bioprocessing of lignocellulose: Wood-rot fungal saccharification and fermentation of corn fiber to ethanol

Todd L. Sirotiak  
Ames  
B.S., Iowa State University;  
M.S., Ibid.  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Construction Engineering and Management)  
Dissertation: The effect of problem/project-based learning on a desired skill set for construction professionals

Sean Thomas Smith  
Draper, Utah  
B.S., University of Utah  
Department: Chemical and Biological Engineering  
Major: Chemical Engineering  
Dissertation: A study of the multi-environment conditional probability-density model for turbulent non-premixed combustion

†† Matthew William Soyk  
B.S., St. Norbert College  
Department: Chemistry  
Major: Analytical Chemistry  
Dissertation: Instrumentation development for coupling ion/ion reactions and ion mobility in biological mass spectrometry
†† Daniel Paul Stieler  
Albert Lea, Minn.
B.S., Iowa State University;  
M.S., Ibid.
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: Characterization of defect cavities and channel-drop filters in the three dimensional woodpile photonic crystal

Cynthia A. Story  
Jacksonville, Fla.
B.S.H.E., University of Georgia;  
M.Ed., Ibid.
Department: Apparel, Educational Studies and Hospitality Management  
Major: Foodservice and Lodging Management  
Dissertation: School foodservice administrators’ perceptions of required and/or desired inputs to implement a HACCP-based food safety plan: A national study

Zengliu Su  
Songming, China
B.Med., West China University of Medical Science;  
M.Med., Peking Union Medical College
Department: Biochemistry, Biophysics, and Molecular Biology  
Major: Biochemistry  
Dissertation: Investigation of structure and function of SNARE proteins

†† Michael Joseph Terribilini  
Rohnert Park, Calif.
B.S., University of California - Davis
Department: Genetics, Development and Cell Biology  
Major: Bioinformatics and Computational Biology  
Dissertation: Computational analysis and prediction of protein-RNA interactions

Babita Thapa  
Cedar Rapids
B.Sc.Ag., Tribhuvan University;  
M.S., University of the Philippines
Department: Agronomy  
Major: Crop Production and Physiology  
Dissertation: Understanding cold acclimation in Medicago truncatula

Julie Marie Tigges  
Clive
B.S., Upper Iowa University;  
M.S., Drake University;  
M.Ph., Des Moines University of Osteopathic Medicine
Department: Apparel, Educational Studies and Hospitality Management  
Major: Family and Consumer Sciences Education  
Dissertation: Emergency preparedness: An analysis of Iowa high school emergency preparedness plans

Baris Unal  
Istanbul, Turkey
B.S., Middle East Technical University;  
M.S., Ibid.
Department: Materials Science and Engineering  
Dissertation: Scanning tunneling microscopy studies of fivefold surfaces of icosahedral Al-Pd-Mn quasicrystals and of thin silver films on those surfaces

Pavana Kumar Reddy Vennapusa  
Ames
B.Eng., Osmania University;  
M.S., Iowa State University
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Geotechnical Engineering)  
Dissertation: Investigation of roller-integrated compaction monitoring and in-situ testing technologies for characterization of pavement foundation layers

Antonio Villanueva Morales  
Penjamo, Mexico
Ing.Ag., Universidad Autonoma Chapingo;  
M.S., Colegio de Postgraduados
Major: Statistics  
Dissertation: Modified pseudo-likelihood estimation for Markov random fields with Winsorized Poisson conditional distributions

Jianqiang Wang  
Shijiazhuang, China
B.S., University of Science and Technology of China;  
M.S., Iowa State University
Major: Statistics  
Dissertation: Estimating the distance distribution of subpopulations and testing observation outlyingness for a large-scale complex survey
Tianjiao Wang  
Quanzhou, China  
B.S., Sichuan University;  
M.S., Xiamen University  
Department: Biochemistry, Biophysics, and Molecular Biology  
Major: Molecular, Cellular and Developmental Biology  
Dissertation: Function and dynamics of aptamers: A case study on the malachite green aptamer

†† Molly Melissa Warnke  
Winona, Minn.  
B.A., Hamline University  
Department: Chemistry  
Major: Analytical Chemistry  
Dissertation: Enantiomeric separations of natural compounds and metal complexes and the detection of anions using positive mode electrospray ionization mass spectrometry

Ryan Duwain Warren  
Mitchellville  
B.S., Iowa State University;  
M.S., Ibid.  
Major: Mechanical Engineering  
Dissertation: A feasibility study of stationary and dual-axis tracking grid-connected photovoltaic systems in the Upper Midwest

†† Kristin Anne Wesner  
Marion  
B.S., Iowa State University;  
M.S., Ibid.  
Major: Psychology  
Dissertation: Social comparison of romantic relationships: The influence of family, friends, and media

§ Lankun Wu  
Shiyan, China  
B.S., China Agricultural University;  
M.S., Ibid.  
Department: Genetics, Development and Cell Biology  
Major: Plant Biology  
Dissertation: Constituents and receptor-mediated calcium signaling underlying bioactivities of echinacea

Xianai Wu  
Ames  
B.Agri., China Agricultural University;  
M.Agri., Ibid.  
M.S., Iowa State University  
Department: Food Science and Human Nutrition  
Major: Toxicology  
Dissertation: Deoxynivalenol alters circulating and splenic leukocyte and cell migration markers in interaction with time course and sex in young and old BALB/c mice

Xiaoliang Xie  
Tianjin, China  
B.S., Nankai University  
Department: Mathematics  
Major: Applied Mathematics  
Dissertation: Large time-stepping methods for higher order time-dependent evolution equations

Hanqing Xing  
Dalian, China  
B.E., Tsinghua University;  
M.S., Ibid.  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: Fully digital-compatible built-in self-test solutions to linearity testing of embedded mixed-signal functions

†† Hua Xu  
Liuzhou, China  
B.Eng., Chongqing University  
Major: Mechanical Engineering  
Dissertation: Quenching of particle-gas combustible mixtures using the electric particulate suspension (EPS) method

Zhihan Xu  
Beijing, China  
B.S., China Agricultural University;  
M.S., Chinese Academy of Agricultural Sciences  
Major: Plant Pathology  
Dissertation: Overwinter survival of Sclerotium rolfsii and S. rolfsii var. delphinii, screening hosta for resistance to S. rolfsii var. delphinii, and phylogenetic relationships among Sclerotium species

Tae-Soo You  
Seoul, South Korea  
B.S., Hanyang University  
Department: Chemistry  
Major: Inorganic Chemistry  
Dissertation: Experimental and theoretical investigations in rare earth-triel-tetrel polar intermetallic systems: Composition-structure-properties relationships

Sanyi Zhan  
Yi Chang, China  
B.Eng., Huazhong University of Science and Technology;  
M.S., Ibid.  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Dissertation: Analysis and design of metal-surface mounted radio frequency identification (RFID) transponders

§ Research Excellence Award  
†† Teaching Excellence Award
§ Linfeng Zhang  
Jinan, China  
B.Eng., Tsinghua University  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Dissertation: Effective techniques for detecting and attributing cyber criminals

Yun Zhang  
Tongling, China  
B.Sc., Peking University  
Department: Chemistry  
Major: Analytical Chemistry  
Dissertation: Real time imaging of live cell ATP leaking or release events by chemiluminescence microscopy

Xiaohui Zhao  
Ames  
B.Eng., Zhejiang University;  
M.Sc., Ibid.  
Major: Materials Science and Engineering  
Dissertation: Development of long range cation order and its impact on dielectric properties in Pb(Mg_{1/3}Nb_{2/3})O_3 based relaxor ferroelectrics
## Master of Accounting

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
<th>University</th>
<th>Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linda Carlgren Borst</td>
<td>Ames</td>
<td>B.S., Iowa State University</td>
<td>Accounting</td>
</tr>
<tr>
<td>Hung Chih Chen</td>
<td>Kaohsiung, Taiwan</td>
<td>B.B.A., National Cheng Kung University</td>
<td>Accounting</td>
</tr>
<tr>
<td>Ross D. Farquhar</td>
<td>Sutherland</td>
<td>B.S., Iowa State University</td>
<td>Accounting</td>
</tr>
<tr>
<td>Yan Geng</td>
<td>Tianjin, China</td>
<td>B.Engr., Southeast University; B.S., Iowa State University</td>
<td>Accounting</td>
</tr>
<tr>
<td>Liangwen Huang</td>
<td>Ames</td>
<td>B.Law, South Central University for Nationalities; B.S., Iowa State University</td>
<td>Accounting</td>
</tr>
<tr>
<td>Yong Huang</td>
<td>Ames</td>
<td>B.Mgmt., Sun Yat-Sen University</td>
<td>Accounting</td>
</tr>
<tr>
<td>Ashley Elizabeth Huffman</td>
<td>Boone</td>
<td>B.S., Iowa State University</td>
<td>Accounting</td>
</tr>
<tr>
<td>Megan Leigh Johnston</td>
<td>Sloan</td>
<td>B.S., Iowa State University</td>
<td>Accounting</td>
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<tr>
<td>Rachna Kacholia</td>
<td>Pune, India</td>
<td>B.S., Iowa State University</td>
<td>Accounting</td>
</tr>
<tr>
<td>Holly Marie Klotz</td>
<td>Cedar Rapids</td>
<td>B.S., Iowa State University</td>
<td>Accounting</td>
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<tr>
<td>Jessica Norhtey Meierotto</td>
<td>West Des Moines</td>
<td>B.S., Iowa State University</td>
<td>Accounting</td>
</tr>
<tr>
<td>Ryan Alan Myers</td>
<td>Waukee</td>
<td>B.S., Iowa State University</td>
<td>Accounting</td>
</tr>
<tr>
<td>Shriram Thirumalai Eachambad</td>
<td>Madras, India</td>
<td>B.S., California State University – Los Angeles</td>
<td>Accounting</td>
</tr>
<tr>
<td>Yue Tong</td>
<td>Dalian, China</td>
<td>B.S., University of Western Ontario</td>
<td>Accounting</td>
</tr>
<tr>
<td>Mindy Michelle Twait</td>
<td>Forest City</td>
<td>B.S., Iowa State University</td>
<td>Accounting</td>
</tr>
<tr>
<td>Bryan Michael Walker</td>
<td>New London</td>
<td>B.S., Iowa State University</td>
<td>Accounting</td>
</tr>
<tr>
<td>Yan Yang</td>
<td>Shenzhen, China</td>
<td>B.E., China Textile University</td>
<td>Accounting</td>
</tr>
<tr>
<td>Yuntian Zheng</td>
<td>Shantou, China</td>
<td>B.Mgmt., Beijing Wuzi University</td>
<td>Accounting</td>
</tr>
</tbody>
</table>

## Master of Agriculture

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
<th>University</th>
<th>Major</th>
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</thead>
<tbody>
<tr>
<td>Michael Leo Peiffer</td>
<td>Winterset</td>
<td>B.S., Iowa State University</td>
<td>Professional Agriculture</td>
</tr>
</tbody>
</table>

## Master of Architecture

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
<th>University</th>
<th>Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charanya Chander</td>
<td>Chennai, India</td>
<td>B.Arch., University of Madras</td>
<td>Architecture</td>
</tr>
</tbody>
</table>
## Master of Arts

<table>
<thead>
<tr>
<th>Name</th>
<th>City, Country</th>
<th>University and Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Derek C. Glissmann</td>
<td>Carroll</td>
<td>B.A., Iowa State University, English (Creative Writing)</td>
</tr>
<tr>
<td>Valerie R. Kolbinger</td>
<td>Ankeny</td>
<td>B.S., Iowa State University, English (Literature)</td>
</tr>
<tr>
<td>Yang Liu</td>
<td>Chengdu, China</td>
<td>B.Law, Fudan University, Teaching English as a Second Language/Applied Linguistics</td>
</tr>
<tr>
<td>Michael Daryl Severs</td>
<td>Dennison, Minn.</td>
<td>B.A., University of Minnesota - Duluth, History (History of Technology and Science)</td>
</tr>
<tr>
<td>Jessica Lee Strawn</td>
<td>Norwalk</td>
<td>B.S., Iowa State University, English (Rhetoric, Composition, and Professional Communication)</td>
</tr>
</tbody>
</table>

## Master of Business Administration

<table>
<thead>
<tr>
<th>Name</th>
<th>City, Country</th>
<th>University and Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. Fredrick Albright II</td>
<td>Des Moines</td>
<td>B.S., Kansas State University, Business Administration (Marketing)</td>
</tr>
<tr>
<td>Swarupa A. Bakre</td>
<td>Ames</td>
<td>B.E., University of Mumbai, Business Administration (Marketing)</td>
</tr>
<tr>
<td>Wendy R. Beatty</td>
<td>Grimes</td>
<td>B.A., University of Missouri - Columbia, Business Administration (Information Systems)</td>
</tr>
<tr>
<td>Jennifer Ellen Gribble</td>
<td>West Des Moines</td>
<td>B.S., Bradley University, M.S., Illinois State University, Business Administration (International Business)</td>
</tr>
<tr>
<td>Christopher Shaun Hammond</td>
<td>Fort Dodge</td>
<td>B.S., University of Arizona, Business Administration (Supply Chain Management)</td>
</tr>
<tr>
<td>Kimberly A. Hoover</td>
<td>West Des Moines</td>
<td>B.S., Iowa State University, Business Administration (Supply Chain Management)</td>
</tr>
</tbody>
</table>

§ Research Excellence Award
†† Teaching Excellence Award
Greta L. Hromovych  Des Moines  
B.S., University of Kansas  
Major: Business Administration

Sharleeta Marie Jackson  Decatur, Ga.  
B.A., Clark Atlanta University  
Major: Business Administration

Merina Kansakar  Kathmandu, Nepal  
B.S., Minnesota State University - Mankato  
Department: Business Administration  
Major: Business Administration (Information Systems) (Supply Chain Management)

Timothy Daniel McLean  Pleasant Hill  
B.S., Indiana University - Bloomington  
Department: Business Administration  
Major: Business Administration (Finance)

Jeremy D. Metz  Palm Springs, Calif.  
B.A., Drake University  
Major: Business Administration

Anne Marie Morman  West Des Moines  
B.S., Iowa State University  
Department: Business Administration  
Major: Business Administration (Information Systems)

Alex Nicole Pelz  Webster City  
B.A., Graceland University  
Department: Business Administration  
Major: Business Administration (Marketing)

Abhijit Shakya  Kathmandu, Nepal  
B.S., Minnesota State University - Mankato  
Department: Business Administration  
Major: Business Administration (Information Systems)

Colin Shepherd  South Beloit, Ill.  
B.S., University of Kentucky – Lexington  
Ph.D., Iowa State University  
Major: Business Administration

Steven C. Stonehocker  Ogden  
B.S., Iowa State University  
Major: Business Administration

Kimberly Dawn Trowbridge  Marshalltown  
B.S., Iowa State University; B.S., Ibid.  
Major: Business Administration

Bradley DeWitt Weed  White Bear Lake, Minn.  
B.S., Iowa State University  
Major: Business Administration

MASTER OF COMMUNITY AND REGIONAL PLANNING

Choyon Manjrekar  Des Moines  
B.A., University of Iowa  
Major: Community and Regional Planning

Jagadish A. Metla  Amalapuram, India  
B.Arch., Indian Institute of Technology - Kharagpur  
Major: Community and Regional Planning  
Thesis: Participation technologies: a framework for the development of an online interactive GIS application

Arpita Ray  Kharagpur, India  
B.Arch., Birla Institute of Technology and Science  
Major: Community and Regional Planning  
Thesis: Street societies re-invented: An exploratory study of the Indian community in Chicago

MASTER OF EDUCATION

Jacob L. Bartels  Des Moines  
B.A., University of Northern Iowa  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Administration)

Scott Schaben Blum  Waukee  
B.S., Iowa State University  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Administration)
Melissa Ann Brinkman  
*Des Moines*

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

Jill M. Dykstra  
*Osage*

Department: Educational Leadership and Policy Studies  
Major: Education (Educational Administration)

Kathleen Flynn Ferguson  
*Waterloo*

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

Meredith Marie Gilbert  
*West Des Moines*

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

Douglas Quinton Gould  
*Boone*

B.A., Northwestern College  
Department: Curriculum and Instruction  
Major: Education (Curriculum and Instructional Technology)

Nichole Leah Heidemann  
*Ankeny*

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

Shane Michael Jacobson  
*Ames*

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

Rachel Marie Jenkins  
*Des Moines*

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

Matthew Robert Jones  
*Knoxville*

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

Catherine Kubik  
*Ankeny*

B.A., Grand View College  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Family and Consumer Sciences Education

Dennis Joseph Loerzel  
*Davenport*

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

Eric N. Merten  
*Sully*

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

Ryan M. Pirtle  
*West Des Moines*

B.S., Iowa State University  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Family and Consumer Sciences Education

Claire Jenkins Porter  
*Ames*

A.B., Smith College; J.D., Tulane University of Louisiana  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Administration)

Lauralyn Riley  
*Springville*

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

Jennifer J. Sigrist  
*Ankeny*

B.A., William Penn University; M.A., University of Phoenix  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Administration)

Joseph Francis Spiess  
*Roseville, Minn.*

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

Kimberly J. Tierney  
*Denver*

B.A., University of Northern Iowa  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Administration)
<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Degree</th>
<th>University</th>
<th>Department</th>
<th>Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jesse Dean Ulrich</td>
<td>West Bend</td>
<td>B.A., Buena Vista University</td>
<td>Department: Educational Leadership and Policy Studies</td>
<td>Major: Education (Educational Administration)</td>
<td></td>
</tr>
<tr>
<td>Cheryl Lynn Voelker</td>
<td>Dallas Center</td>
<td>B.S., Iowa State University</td>
<td>Department: Educational Leadership and Policy Studies</td>
<td>Major: Education (Educational Administration)</td>
<td></td>
</tr>
<tr>
<td>Byron Datrice Williams</td>
<td>Orange Lake, Fla.</td>
<td>B.A., University of Northern Iowa</td>
<td>Department: Educational Leadership and Policy Studies</td>
<td>Major: Education (Educational Administration)</td>
<td></td>
</tr>
<tr>
<td>Machelle Anne Zink</td>
<td>Tekamah, Neb.</td>
<td>B.S.N., Nebraska Methodist College</td>
<td>Department: Educational Leadership and Policy Studies</td>
<td>Major: Education (Higher Education)</td>
<td></td>
</tr>
<tr>
<td>Matthew Clem Brimmer</td>
<td>Cedar Rapids</td>
<td>B.S., Northwestern University</td>
<td>Department: Industrial and Manufacturing Systems Engineering</td>
<td>Major: Systems Engineering</td>
<td></td>
</tr>
<tr>
<td>Christopher Lee Cawelti</td>
<td>Cedar Falls</td>
<td>B.S., Iowa State University</td>
<td>Department: Industrial and Manufacturing Systems Engineering</td>
<td>Major: Systems Engineering</td>
<td></td>
</tr>
<tr>
<td>Timothy Alan Christensen</td>
<td>Camano Island, Wash.</td>
<td>B.S., Iowa State University</td>
<td>Department: Industrial and Manufacturing Systems Engineering</td>
<td>Major: Systems Engineering</td>
<td></td>
</tr>
<tr>
<td>Caleb C. Gbemudu</td>
<td>Marion</td>
<td>B.S., Vaughn College of Aeronautics and Technology</td>
<td>Department: Industrial and Manufacturing Systems Engineering</td>
<td>Major: Systems Engineering</td>
<td></td>
</tr>
<tr>
<td>David Aaron Goldberg</td>
<td>Marion</td>
<td>B.S., Iowa State University</td>
<td>Department: Industrial and Manufacturing Systems Engineering</td>
<td>Major: Systems Engineering</td>
<td></td>
</tr>
<tr>
<td>Kenneth G. Harms</td>
<td>Brentwood, Tenn.</td>
<td>B.S., University of Nebraska at Lincoln</td>
<td>Department: Industrial and Manufacturing Systems Engineering</td>
<td>Major: Systems Engineering</td>
<td></td>
</tr>
<tr>
<td>TyWaunne Lamont Hill</td>
<td>Cedar Rapids</td>
<td>B.S., Iowa State University</td>
<td>Department: Industrial and Manufacturing Systems Engineering</td>
<td>Major: Systems Engineering</td>
<td></td>
</tr>
</tbody>
</table>
Kristen Marie Jerome
Central City
B.S., Mount Mercy College
Department: Industrial and Manufacturing Systems Engineering
Major: Systems Engineering

Tyler Robert Krogmeier
Fort Madison
B.S., Iowa State University
Department: Industrial and Manufacturing Systems Engineering
Major: Systems Engineering

Joseph Adeseye Ojo
Cedar Rapids
B.S., University of North Carolina - Charlotte
Department: Industrial and Manufacturing Systems Engineering
Major: Systems Engineering

Nicholas Anthony Paxton
Cedar Rapids
B.S., Iowa State University
Department: Industrial and Manufacturing Systems Engineering
Major: Systems Engineering

Jesse Lee Peterson
Gilmore City
B.S., Iowa State University
Department: Industrial and Manufacturing Systems Engineering
Major: Systems Engineering

Samuel Basto Ramos
Houston, Tex.
B.S., University of Texas - Austin
Department: Electrical and Computer Engineering
Major: Systems Engineering

Jenna Rae Rederus
Albuquerque, N.Mex.
B.S., Iowa State University
Department: Industrial and Manufacturing Systems Engineering
Major: Systems Engineering

Matthew Joseph Soukup
Wagner, S. Dak.
B.S., South Dakota School of Mines and Technology
Department: Industrial and Manufacturing Systems Engineering
Major: Systems Engineering

Heeju Chae
Seoul, South Korea
B.S., Iowa State University
Department: Apparel, Educational Studies and Hospitality Management
Major: Family and Consumer Sciences (Textiles and Clothing)

Nichelle G. Harris
Lafayette, La.
B.S., Grambling State University;
M.S., University of Nebraska - Lincoln
Department: Family and Consumer Sciences
Major: Family and Consumer Sciences (Foodservice and Lodging Management)

Ashley Anne Kitchen
West Des Moines
B.S., Iowa State University
Department: Family and Consumer Sciences
Major: Family and Consumer Sciences (Family Financial Planning)

Carrie Suzann Van Mersbergen
Oskaloosa
B.A., William Penn University
Major: Family and Consumer Sciences

Ling Zhang
Tangshan, China
B.A., Beijing Institute of Clothing Technology
Department: Apparel, Educational Studies and Hospitality Management
Major: Family and Consumer Sciences (Textiles and Clothing)

Troy D. Abel
B.S., Valparaiso University
Department: Art and Design
Major: Graphic Design
Thesis: Beyond usability: A rubric to evaluate the emotional impact of e-commerce homepages

Li Yu
Chengdu, China
B.A., Tsinghua University
Department: Art and Design
Major: Graphic Design
Thesis: Typography in film title sequence design
MASTER OF LANDSCAPE ARCHITECTURE

Ryan William Chapman  
North Bend, Neb.
B.S., University of Nebraska - Lincoln
Major: Landscape Architecture
Thesis: Urban groundwater, stream conditions, and homeowner perceptions

Jagadish A. Metla  
Amalapuram, India
B Arch., Indian Institute of Technology - Kharagpur
Major: Landscape Architecture
Thesis: Participation technologies: a framework for the development of an online interactive GIS application

MASTER OF PUBLIC ADMINISTRATION

Angela M. Joens  
Ames
B.A., University of Iowa
Department: Political Science
Major: Public Administration

Akhila Vinjamuri  
Norman, Okla.
B.A., Osmania University;
P.G.D., Ibid.
Department: Political Science
Major: Public Administration

MASTER OF SCHOOL MATHEMATICS

Lana Lyddon Hatten  
Indianola
B.A., University of Missouri – Kansas City
Department: Mathematics
Major: School Mathematics

Daniel John Sarasio Meyer  
Forest City
B.A., Augustana College
Department: Mathematics
Major: School Mathematics

Courtney L. Wahlstrom  
Des Moines
B.A., Cedarville University
Department: Mathematics
Major: School Mathematics

MASTER OF SCIENCE

Bola Toheeb Alabi  
St. Paul Park, Minn.
B.S., Massachusetts Institute of Technology
Department: Chemical and Biological Engineering
Major: Chemical Engineering
Thesis: High-activity fuel cell catalyst layers via block copolymer nanocomposites

†† Christopher James Anderson  
Ankeny
B.S., Iowa State University
Major: Interdisciplinary Graduate Studies

Carrie Sue Archdale  
Wolf Point, Mont.
B.S., Dickinson State University
Department: Interdisciplinary Graduate Studies
Major: Interdisciplinary Graduate Studies (Community Development)

Manuela Aseye Ayele Ayee  
Virginia Beach, Va.
B.S., Dordt College
Department: Chemical and Biological Engineering
Major: Chemical Engineering
Thesis: Luminescent water-soluble quantum dots: Improved stability through surface functionalization

§ Research Excellence Award
†† Teaching Excellence Award
Jeffrey Ralph Bartels  Lansing  
B.S., Iowa State University  
Major: Mechanical Engineering  
Thesis: A feasibility study of implementing an Ammonia Economy

Melanie S. Bloom  Marathon  
B.S., Iowa State University;  
B.S., Ibid.  
Department: Agricultural Education and Studies  
Major: Agricultural Education

Rodger Vincent Blum  Emerson  
B.A., Central College  
Major: Mechanical Engineering  
Thesis: Laser sintering of nanodiamond powders on aluminum substrate

Steven Thomas Bly  Garretson, S. Dak.  
B.S., South Dakota State University  
Department: Agricultural and Biosystems Engineering  
Majors: Agricultural Engineering and Biorenewable Resources and Technology  
Thesis: Development of a high-throughput fermentation assay using colorimetric measurement of gas production

Grant Rogers Brinkmeyer  Urbandale  
B.S., Iowa State University  
Department: Logistics, Operations and Management Information Systems  
Major: Information Assurance  
Thesis: Intercept System to Edit, Control, and Analyze Packets (ISECAP)

Jason Curtis Britson  Rochester, Minn.  
B.S., Iowa State University  
Major: Materials Science and Engineering  
Thesis: Pulsed laser deposition of AlMgB14 thin films

Weiguo Cai  Ames  
B.Ag., China Agricultural University;  
M.Sc., Ibid.  
Major: Statistics

Priyanka Chand  Pithoragarh, India  
B.Tech., G.B. Pant University  
Department: Agricultural and Biosystems Engineering  
Major: Agricultural Engineering  
Thesis: Enhancing biodiesel production from soybean oil using ultrasonics

Louis H. Charles  Brigham City, Utah  
B.S., University of Utah  
Major: Materials Science and Engineering  
Thesis: Self-healing of impact-damaged composites

Kwang-Shin Choi  Taegu, South Korea  
B.B.A., Seoul National University  
Major: Statistics

Todd Joseph Cogdill  Dunlap  
B.S., Iowa State University  
Department: Agronomy  
Major: Crop Production and Physiology  
Thesis: Investigation of management strategies for the production of sweet sorghum as a bioenergy crop and preservation of crop residue by the ensiling process

William M. Conway  Bettendorf  
B.S., Iowa State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Geotechnical Engineering)  
Thesis: An investigation of trenchless technologies and their interaction with native Iowa soils

† † Keri Diane Davis  Casey  
B.S., Iowa State University  
Department: Genetics, Development and Cell Biology  
Major: Genetics  
Thesis: Identification of genes involved in germ cell programmed cell death in Drosophila melanogaster

Baris Denizer  Ankara, Turkey  
B.S., Middle East Technical University  
Major: Materials Science and Engineering  
Thesis: Artificial neural network analysis of the mechanical properties of tungsten fiber/bulk metallic glass matrix composites via neutron diffraction and finite element modeling submitted to Iowa State University

Emily Rebecca Dickey  Rockford, Ill.  
B.S., Iowa State University  
Department: Animal Science  
Major: Animal Physiology (Ethology)  
Thesis: Evaluation of a calcium pre-molt and low-energy molt program: Effects on laying hen behavior, production, and physiology before, during, and after a fasting or non-fasting molt

Todd Chaney Dusold  Reinbeck  
B.S., Iowa State University  
Department: Mechanical Engineering  
Major: Human Computer Interaction  
Thesis: Applications of narrative to the engineering decision making process and the pedagogy of engineering education

§ Research Excellence Award
† † Teaching Excellence Award
Robert Edward Dyer  Ankeny
B.S., Iowa State University
Major: Computer Science
Thesis: Supporting dynamic aspect-oriented features

B.S., University of Arkansas
Department: Animal Science
Major: Animal Breeding and Genetics
Thesis: The involvement of the novel proteins, perilipin, ATGL, and CGI-58, in lipolysis of early and mid lactation Holstein cows

Brittany Jo Elmquist  Audubon
B.S., Iowa State University
Department: Agricultural Education and Studies
Major: Agricultural Education

Fred Amar Engstrom  Ames
B.S., Iowa State University
Major: Agronomy

Megan Ann Ernst  Algona
B.S., Texas A&M University - Galveston
Department: Natural Resource Ecology and Management
Major: Fisheries Biology
Thesis: The role of aquatic vegetation in Iowa lakes

Feng Gao  Anshan, China
B.Eng., Tsinghua University; M.Sc., Ibid; Ph.D., Iowa State University
Major: Economics

Zhi Gao  Beijing, China
B.S., Iowa State University
Department: Electrical and Computer Engineering
Major: Electrical Engineering

Mary Njeri Gichobi  Ames
B.Ed., Kenyatta University
Department: Curriculum and Instruction
Major: Education
Thesis: Influence of mathematics curriculum implementation strategies on nature of instructional tasks, classroom discourse, and student learning

Russell Edward Graves  Downers Grove, Ill.
B.S., Iowa State University
Department: Electrical and Computer Engineering
Majors: Information Assurance and Computer Engineering
Thesis: High performance password cracking by implementing rainbow tables on nVidia graphics cards (IseCrack)

Teena Pratap Gulabani  Ulhasnagar, India
B.E., University of Mumbai
Major: Computer Science
Thesis: Development of high performance scientific components for interoperability of computing packages

Saurabh Gupta  Ames
B.Eng., Maharshi Dayanand University
Major: Mechanical Engineering
Thesis: Pulsed laser ablation and micromachining of 4H and 6H SiC wafers for high-temperature MEMS sensors

Jose German Guzman  Garden City, Kans.
B.S., Kansas State University
Department: Agronomy
Major: Soil Science (Soil Management)
Thesis: Effects of landscape position and age of reconstructed prairies in previously cultivated land on soil carbon dynamics and physical properties

Youssef Wasfy Hanna  Cairo, Egypt
B.Sc., American University - Cairo
Major: Computer Science
Thesis: Verifying sensor network security protocol implementations

Wei Hao  Chengdu, China
B.S., Sichuan University
Major: Horticulture
Thesis: Freezing tolerance and cold acclimation in guava (Psidium guajava L.)

Kristin E. Hard  Waterloo, Ill.
B.S., Iowa State University
Department: Animal Science
Major: Animal Physiology
Thesis: Predictive measures of fetal distress in calves during delivery
Daniel Joseph Harkness Montevideo, Minn.  
B.S., Iowa State University;  
B.S., Ibid.  
Department: Electrical and Computer Engineering  
Majors: Computer Engineering and Information Assurance  
Thesis: Crawler 2.0: A search tool to assist law enforcement with investigations

William Roy Henninger IV Newton  
B.S., Iowa State University  
Major: Human Development and Family Studies  
Thesis: Differences in the development of underweight and overweight children and their parents’ perceptions of their socioemotional development

Valerie Ann Hentges Westphalia, Mo.  
B.S., Truman State University  
Department: Natural Resource Ecology and Management  
Major: Animal Ecology  
Thesis: Macroinvertebrate community characteristics and related environmental features in prairie pothole wetlands of Iowa

Mark Hitz Carthage, Ill.  
B.S., Western Illinois University  
Major: Agronomy

DongHo Hong Seoul, South Korea  
B.E., Chung-Ang University  
Major: Computer Science

Mohammad Mainul Hoque Chittagong, Bangladesh  
B.S.S., University of Dhaka;  
M.S.S., Ibid.  
Major: Economics

Laura Jeanne How Wentzville, Mo.  
B.S., Southwest Missouri State University  
Major: Agronomy

Reka Howard Ames  
B.S., Iowa State University;  
B.S., Ibid.  
Major: Agronomy

Wei Hu Putian, China  
B.E., Xian Jiaotong University;  
M.E., Ibid.  
Major: Materials Science and Engineering  
Thesis: Data-driven metallurgical design for high strength low alloy (HSLA) steel

Eric Matthew Johnson West Des Moines  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Majors: Computer Engineering and Information Assurance

Emilie Anita Kristine Justen Woodville, Wis.  
B.S., University of Wisconsin-Madison  
Major: Horticulture  
Thesis: Perceptions of managers and Spanish-speaking employees in the Iowa horticultural industry

Darshana Parijat Juvale Ames  
B.Sc., University of Mumbai;  
M.Sc., Ibid.  
Department: Curriculum and Instruction  
Major: Education (Curriculum and Instructional Technology)  
Thesis: An analysis of factors that lead WebCT users to either increase or decrease the use of WebCT GOLD at Iowa State University

Barbara Wambui Kagima Ames  
B.S., Iowa State University  
Department: Natural Resource Ecology and Management  
Major: Ecology and Evolutionary Biology  
Thesis: Habitat selection and diet of native ungulates in an ongoing tallgrass prairie reconstruction effort

Jasjeet Kaur Ames  
B.Tech., Punjab Agricultural University  
Department: Agricultural and Biosystems Engineering  
Major: Agricultural Engineering  
Thesis: High throughput fermentation monitoring via bubble detection

Anchalee Khemphet Chiang Mai, Thailand  
B.Sc., Chulalongkorn University  
Major: Mathematics  
Thesis: The extreme points of symmetric norms on $R^1$

Caroline Rachel Kinzenbaw Ladora  
B.A., Wartburg College  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Transportation Engineering)

§ Research Excellence Award  
†† Teaching Excellence Award  
‡ Degree Conferred Posthumously
Wendy Lynn Kisch  
**Charles City**
B.S., Iowa State University  
Major: Statistics

Joshua Bruce Koch  
**Eustis, Neb.**
B.A., Hastings College  
Major: Mechanical Engineering  
Thesis: Autonomous construction agents: An investigative framework for large sensor network self-management

Andrew Thomas Koehring  
**Sycamore, Ill.**
B.S., Iowa State University  
Department: Mechanical Engineering  
Majors: Mechanical Engineering and Human Computer Interaction  
Thesis: The application of polynomial response surface and polynomial chaos expansion metamodels within an augmented reality conceptual design environment

Kari Angela Kraemer  
**Saint Cloud, Minn.**
B.A., College of St. Benedict  
Major: Statistics

Adam L. Krause  
**Homer, Neb.**
B.S., University of Nebraska at Lincoln  
Department: Animal Science  
Major: Meat Science  
Thesis: Effects of geometric shape and serving temperature on quality characteristics of irradiated bologna and frankfurters

Keegan J. Kult  
**Coon Rapids**
B.S., Iowa State University  
Department: Natural Resource Ecology and Management  
Major: Environmental Science  
Thesis: Monitoring Bear Creek nitrate-N flux and quantifying the impacts of concentrated flow on grass filters and riparian forest buffers

Jaymi J. LeBrun  
**Brussels, Wis.**
B.S., University of Wisconsin - Madison  
Department: Natural Resource Ecology and Management  
Major: Animal Ecology  
Thesis: Using changes in land use and land cover to predict avian species occurrences at multiple scales in the Driftless Area of the Midwestern United States

Kil Jin Lee  
**Busan, South Korea**
B.E., Dong-A University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Thesis: Closed loop supply chains with variable remanufacturability and the impact of subsidy and penalty by government

Miao Li  
**Jilin City, China**
B.E., Jilin University;  
M.S., University of Science and Technology of China  
Department: Aerospace Engineering  
Major: Engineering Mechanics  
Thesis: Numerical simulation of straight line flow with sparse roughness and tornado-like flow on smooth floor

Mowen Li  
**Beijing, China**
B.E., Beijing University of Chemical Technology  
Major: Materials Science and Engineering  
Thesis: Study of self-assembling block copolymer templated hydroxyapatite nanocomposites gel by urease enzymatic urea hydrolysis

Jing Liang  
**Tianjin, China**
B.Econ., Tianjin University of Finance and Economics;  
M.Econ., Ibid.  
Major: Economics

Kung-En Dean Lin  
**Tainan, Taiwan**
B.S., Iowa State University  
Major: Computer Science

Wen Lin  
**Shenzhen, China**
B.E., Shanghai Jiaotong University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Thesis: Collect to resell: a profitable strategy for green electronic product manufacturers

Song Lu  
**Nan Ning, China**
B.E., Huazhong University of Science and Technology;  
M.E., Ibid.  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Thesis: Auto Red Team: a network attack automation framework based on Decision Tree

---

§ Research Excellence Award  
† † Teaching Excellence Award
Weiting Lu  
Ningbo, China  
B.Econ., Zhejiang University  
Department: Natural Resource Ecology and Management  
Major: Forestry (Forest Economics and Marketing)  
Thesis: Corn stover as a biofuel feedstock in Iowa: an analysis of farmer interest, concerns and price

Marisol Martinez Escobar  Monterrey, Mexico  
B.S., Iowa State University  
Department: Mechanical Engineering  
Majors: Mechanical Engineering and Human Computer Interaction  
Thesis: An interactive color pre-processing method to improve tumor segmentation in digital medical images

Claire Elizabeth Masker  Neola  
B.S., Iowa State University; B.S., Ibid.  
Department: Agricultural Education and Studies  
Major: Agricultural Education

Jeremy James May  Evansville, Wis.  
B.S., University of Wisconsin - Platteville  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Structural Engineering)  
Thesis: Live load distribution factors for glued-laminated timber bridges

Devan Allen McGranahan  Terril  
B.A., Grinnell College  
Department: Natural Resource Ecology and Management  
Majors: Sustainable Agriculture and Animal Ecology  
Thesis: Degradation and restoration in remnant tallgrass prairie: Grazing history, soil carbon, and invasive species affect community composition and response to the fire-grazing interaction

†† Joseph Eugene McPhail  Winfield  
B.S., Iowa State University  
Major: Economics  
Thesis: The cost of government: how taxes affect economic health and social well-being

Fanqi Meng  Harbin, China  
B.S., Shanghai Jiaotong University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Thesis: Trajectory and spray control planning on unknown 3D surfaces for industrial spray painting robot

Siti Fatimah Mohamad  Batu Caves, Malaysia  
B.Sc., University of Putra  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Foodservice and Lodging Management  
Thesis: Effects of communication on turnover intention: A case of hotel employees in Malaysia

Abrar Hasan Mohammad  Hyderabad, India  
B.Tech., Indian Institute of Technology – Kharagpur; M.Tech., Ibid.  
Major: Aerospace Engineering  
Thesis: Numerical simulation of three dimensional vortex-dominated flows

Stephanie Michelle Moon  Des Moines  
B.S., Iowa State University  
Department: Biochemistry, Biophysics, and Molecular Biology  
Major: Plant Biology  
Thesis: Metabolomics based annotation of novel genes in Arabidopsis thaliana

Jonathan William Murphy  Kohler, Wis.  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Majors: Information Assurance and Computer Engineering  
Thesis: SnoScan: An iterative functionality service scanner for large scale networks

Tiffany Jo Myers  West Liberty  
B.A., University of Northern Iowa  
Department: Kinesiology  
Major: Kinesiology (Behavioral Basis of Physical Activity)  
Thesis: School-based physical activity interventions: A meta analysis

Dinanath Nadkarni  Pune, India  
B.Eng., Gao University  
Major: Computer Science  
Thesis: An iterative approach towards web service composition using feedback from analysis of composition failures
Claudia Bernardita Navarro Villarroel  
*Viña de Mar, Chile*
Magis., Universidad Catolica de Valparaiso;  
Stat., University of Valparaiso  
Major: Statistics

Gianina-Alina Negoita  
*Braila, Romania*
Dipl., Bucharest University;  
Master, Universitatea din Bucuresti  
Department: Physics and Astronomy  
Major: Nuclear Physics

Jianxing Ni  
*Jiashan, China*
B.E., University of Electronic Science and Technology of China  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: Analysis of shielded and open microstrip lines of double negative metamaterials using spectral domain approach (SDA)

Xiaopeng Ning  
*Beijing, China*
B.S., Beijing Institute of Technology  
Department: Agricultural and Biosystems Engineering  
Major: Agricultural Engineering  
Thesis: Feeding, defecation and gaseous emission dynamics of W-36 laying hens

Josephat Gichobi Njoka  
*Nairobi, Kenya*
B.S., University of Wisconsin – River Falls  
Major: Animal Science  
Thesis: Effects of feeding Iowa-grown field peas on finishing pig performance

Christian John Noon  
*Elk Horn*
B.S., Iowa State University  
Department: Mechanical Engineering  
Majors: Mechanical Engineering and Human Computer Interaction  
Thesis: Metamodeling for the quantitative assessment of conceptual designs in an immersive virtual reality environment

Massiel Andrea Orellana Zegarra  
*Santiago, Chile*
Licen., Universidad de Chile;  
M.Stat., Pontif Universidad Catolica de Chile  
Major: Statistics

Pedro J. Ortiz  
*Ponce, Puerto Rico*
B.S., University of Puerto Rico – Mayaguez  
Department: Chemical and Biological Engineering  
Major: Chemical Engineering  
Thesis: Steam reforming of bio-oil: Effect of bio-oil composition and stability

Bhavana Padakala  
*Hyderabad, India*
B.E. Osmania University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Thesis: Inventory management in a manufacturing/ remanufacturing hybrid system with condition monitoring

Santosh Kumar Panchapakesan  
*Bangalore, India*
B.E., Visveswaraihaah Technological University  
Department: Computer Science  
Major: Textiles and Clothing  
Thesis: Influence of model body size on consumer attitudes and purchase intention

Angela Michelle Perrier  
*Grand Haven, Mich.*
B.S., Iowa State University  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Textiles and Clothing  
Thesis: Long-term rotation with monoculture cover crops increases yield of strawberry, reduces weed populations, and maintains soil chemical, physical, and biological characteristics during strawberry production

Ryan John Pettit  
*Des Moines*
B.L.S., Iowa State University  
Department: Community and Regional Planning  
Major: Transportation

Dennis Nicklas Portz  
*Springbrook*
B.S., Iowa State University  
Major: Horticulture  

Janette Marie Eberhard Provolt  
*Cedar Rapids*
B.S., North Dakota State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: Compaction models for predicting moisture-density-energy relationships for earth materials

John Michael Puls  
*Cascade*
B.S., Iowa State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Geotechnical Engineering)  
Thesis: Compaction models for predicting moisture-density-energy relationships for earth materials
Tsengeg Purevjav       Ulaanbaatar, Mongolia  B.Arch., National University - Mongolia  Major: Animal Science  Thesis: Incorporating condensed corn distillers solubles into an integrated pasture and drylot finishing system for feedlot steers

Bennetta Robinson       Port Gibson, Miss.  B.S., Mississippi State University  Department: Interdisciplinary Graduate Studies  Major: Interdisciplinary Graduate Studies (Community Development)

Mariana Romero-Gonzalez  Mexico City, Mexico  Titulo, National University of Mexico  Department: Curriculum and Instruction  Major: Education  Thesis: Parental motivations and attitudes toward a Spanish two-way immersion program in the Midwest

Harold Salazar Isaza     Pereira, Colombia  Dipl., Universidad Tecnologica de Pereira; Maest., Ibid.  Major: Economics

Onur Sapci               Izmir, Turkey  B.S., Dokuz Eylul University; M.S., Ibid.  Major: Economics

Christian Ryan Sax       Woodbury, Minn.  B.S., Iowa State University  Department: Civil, Construction and Environmental Engineering  Major: Civil Engineering (Transportation Engineering)  Thesis: Clear Zone – A synthesis of practice and an evaluation of the benefits of meeting the ten-foot clear zone goal on urban streets

Kristian Schmidt         Unna, Germany  V.Dipl., Universitaet Dortmund  Major: Statistics

Ashley Jean Scolaro      Canton, Ill.  B.S., Drake University  Major: Psychology  Thesis: Do prosopagnosics have impaired spatial coding within or between objects?

Meredith Anne Scott      Urbandale  B.S., Iowa State University  Major: Human Development and Family Studies  Thesis: Assessing the effects of parent-child interactions on child communication skills

Joonbae Seo              Daegu, South Korea  B.Eng., Kyungpook National University  Department: Genetics, Development and Cell Biology  Major: Plant Biology  Thesis: Molecular genetics studies of bZIP transcription factor, TRAB1, and MYB transcription factor, ME97, in the Viviparous 1 promoter in Zea mays

Rakesh Bangalore Shivarudra Setty  Bangalore, India  B.E., Visveswaraih Technological University  Major: Computer Science  Thesis: On the test-driven development of emerging modularization mechanisms

Stephen M. Shaner        Ames  B.S., Iowa State University  Major: Computer Science  Thesis: Modular verification of higher-order methods with mandatory calls specified by model programs

Anurag Sharda            Indore, India  B.Eng., University of Technology – Madhya Pradesh  Major: Computer Science  Thesis: Integration of ab-initio nuclear calculation with derivative free optimization technique

Ryan Lee Siefken          Fremont, Neb.  B.S., University of Nebraska - Lincoln  Major: Agronomy

Etse Godwin Sikanku      Dzita, Ghana  B.A., University of Ghana  Major: Journalism and Mass Communication  Thesis: Inter-media agenda-setting effects in Ghana: newspaper vs. online and state vs. private

Jeanne Diane Spaur  Albia
B.S., Iowa State University
Department: Natural Resource Ecology and Management
Major: Wildlife Biology
Thesis: Thoughts, attitudes, and beliefs on the Rosebud Sioux Reservation regarding Pispiza (black-tailed prairie dog, Cynomys ludovicianus)

Alan Dale Spencer  Gilbert
B.S., Iowa State University
Department: Agricultural Education and Studies
Major: Agricultural Education

Hayley Ruth Springer  Bath, Pa.
B.S., Pennsylvania State University
Department: Biomedical Sciences
Major: Biomedical Sciences (Physiology)
Thesis: Effect of pre-calving diet energy content on immunologic and metabolic parameters in the transition dairy cow

Jeramie Troy Strickland  Chicago, Ill.
B.S., Delaware State University
Department: Ecology, Evolution and Organismal Biology
Major: Ecology and Evolutionary Biology
Thesis: Depredation of Painted Turtle (Chrysemys picta) nests: influence of biotic, abiotic and anthropogenic factors at local and habitat scales

Wendy Jane Stroman  Paynesville, Minn.
B.S., Drake University
Department: Physics and Astronomy
Major: Astrophysics
Thesis: Radio polarimetry studies of magnetic turbulence in supernova remnants

Christian Robert Taber  LeClaire
B.S., Iowa State University
Major: Mechanical Engineering

Hailin Tang  Ames
B.Agron., Shandong Agricultural University; M.S., China Agricultural University
Department: Entomology
Major: Toxicology
Thesis: Tissue specificity of a baculovirus-expressed, basement membrane-degrading protease in larvae of Heliothis virescens

Chengwu Tao  Wuwei, China
B.S., University of Science and Technology of China
Department: Electrical and Computer Engineering
Major: Electrical Engineering
Thesis: Umbrella-shaped gate field-effect transistor for biosensing measurements

Rachel Colleen Unger  Galesburg, Ill.
B.A., Knox College
Department: Agronomy
Majors: Environmental Science and Soil Science
Thesis: The effect of bio-char on selected soil properties and corn grain yields in Iowa

Nathan Cory Veen  LeMars
B.S., Iowa State University
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Structural Engineering)

Narasimha Rao Venkata Laxmi Velagaleti  Hyderabad, India
B.Tech., Jawaharial Nehru Technological University
Departments: Computer Science and Electrical and Computer Engineering
Majors: Computer Science and Computer Engineering
Thesis: Attacks and countermeasures on routing protocols in wireless networks

Mevan Priyanka Vijithakumara  Eureka, Ill.
B.S., Iowa State University
Major: Mechanical Engineering

Brandon Oliver Viland  St. James, Minn.
B.S., Minnesota State University
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Structural Engineering)

Scott Alan Von Busch  Pella
B.S., Iowa State University
Department: Industrial and Manufacturing Systems Engineering
Major: Industrial Engineering
Thesis: Analysis of casting surface anomalies captured through spatial mapping

§ Research Excellence Award
†† Teaching Excellence Award
Jason Matthew Walker  Cherokee
B.S., Iowa State University
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Geotechnical Engineering)
Thesis: Evaluation of elliptical, glass fiber reinforced polymer, and stainless steel dowel bars in concrete pavements with consideration to subgrade resilient modulus

Jason Kenneth Walleser  Waterloo
B.S., Iowa State University
Major: Materials Science and Engineering
Thesis: Microstructure control of the Sn-Ag-Cu-X solder alloy system through nucleation catalysis of Sn

Wei Wang  Kaohsiung City, Taiwan
B.S., Wenzao Ursuline College of Languages
Department: Curriculum and Instruction
Major: Education (Curriculum and Instructional Technology)
Thesis: Reading tutors using the iPod to enhance and motivate struggling literacy learners' reading ability

Zhengu Wang  Weihui, China
B.Ed., Henan Medical University;
M.Ed., Chinese Academy of Preventive Medicine
Department: Food Science and Human Nutrition
Major: Nutritional Sciences (Molecular and Cellular Nutrition)
Thesis: Iron dependency of Beta-carotene 15,15'-monooxygenase in Caco-2 TC7 cells

Todd M. Weber  Mondovi, Wis.
B.S., University of Wisconsin - Stout
Department: Kinesiology
Major: Kinesiology (Biological Basis of Physical Activity)
Thesis: The effect of sodium and carbohydrate in a rehydration beverage when consumed as a meal on subsequent exercise performance

Paul Allan Wilhelm  Dodge Center, Minn.
B.S., Iowa State University
Department: Industrial and Manufacturing Systems Engineering
Major: Industrial Engineering
Thesis: Pheromone particle swarm optimization of stochastic systems

Jeremy Craig Williams  Glenwood
B.S., Iowa State University
Department: Electrical and Computer Engineering
Major: Information Assurance

Megan Erin Williams  Glenwood
B.S., Iowa State University
Department: Electrical and Computer Engineering
Major: Information Assurance

Emily Marie Worthington  Grass Valley, Calif
B.A., California State University - Sacramento
Major: Human Development and Family Studies
Thesis: Effective learning environments in preschools

Qiaoying Wu  Dong Yang, China
B.Econ., Renmin University of China;
M.Econ, Ibid.
Major: Economics

Wei Wu-Haan  Richland, Mich.
B.Sc., Shanxi Agricultural University;
M.S., Iowa State University
Department: Agricultural and Biosystems Engineering
Majors: Environmental Science and Biorenewable Resources Technology
Thesis: Evaluation of ultrasonic pretreatment on anaerobic digestion of biomass for methane production

Li Xu  Wuhan, China
B.E., East China University of Science and Technology;
M.S., Ibid.
Department: Chemical and Biological Engineering
Major: Chemical Engineering
Thesis: Proteomics approach to investigate separation behavior of proteins in ion-exchange chromatography

Huimin Yan  Changsha, China
B.S., Beijing Sport University
Department: Kinesiology
Major: Kinesiology (Biological Basis of Physical Activity)
Thesis: The effect of sodium and carbohydrate in a rehydration food on subsequent exercise performance

Xinghua Zhao  Rochester, Minn.
B.A., Fudan University;
M.S., University of Nebraska - Lincoln
Major: Statistics

§ Research Excellence Award
† † Teaching Excellence Award
UNDERGRADUATE CEREMONY

Platform Officials

Gregory L. Geoffroy, President of the University
Kenneth M. Quinn, President of The World Food Prize
Foundation, Former United States Ambassador, Honorary Degree Recipient and Speaker
Elizabeth Hoffman, Executive Vice President and Provost
Thomas L. Hill, Vice President for Student Affairs
Todd R. Holcomb, Associate Vice President of Student Affairs
Dione D. Somerville, Dean of Students
Simon Estes, Distinguished Artist in Residence
Deborah Tharnish, Chair, Board of Directors, Iowa State University Alumni Association
Kathleen M. Jones, Assistant Vice President for Enrollment and Registrar of the University

Mark C. Engelbrecht, Dean of the College of Design
Michael B. Whiteford, Dean of the College of Liberal Arts and Sciences
Wendy Wintersteen, Dean of the College of Agriculture and Life Sciences
Pamela J. White, Interim Dean of the College of Human Sciences
James E. Bernard, Interim Dean of the College of Engineering
Kay M. Palan, Associate Dean of the College of Business
John U. Thomson, Dean of the College of Veterinary Medicine
Olivia M. Madison, Dean of the Library
Clark F. Ford, Faculty Senate President

Faculty Representatives

David G. Acker, Global Agriculture Programs †
James E. Alleman, Civil, Construction, and Environmental Engineering
Gaya Amarasinghe, Biochemistry, Biophysics and Molecular Biology
Douglas G. Bonett, Psychology
Robert Bosselman, Apparel, Educational Studies, and Hospitality Management
Marvin L. Bouillon, Accounting
Edward J. Braun, Plant Pathology
C. Lee Burras, Agronomy
James G. Cramp, Air Force Aerospace Studies
Jack C. Dekkers, Animal Science
Charles M. Dobbs, History
Teresa M. Downing-Matibag, Sociology
Jane Dusselier, Anthropology
Richard Engelhorn, Kinesiology
Ning Fang, Chemistry
David Fernandez-Baca, Computer Science
Ann Marie Fiore, Apparel, Educational Studies, and Hospitality Management
Kimberly A. Greder, Human Development and Family Studies
Richard B. Hall, Natural Resource Ecology and Management †astics
J. Arne Hallam, Economics
W. Stanley Harpole, Ecology, Evolution and Organismal Biology
James C. Hill, Chemical and Biological Engineering ††
John C. Hill, Physics and Astronomy
Curtis Hoff, Finance
Carl E. Jacobson, Geological and Atmospheric Sciences
Douglas M. Johnston, Landscape Architecture
Russell A. Jurenka, Entomology
Ahmed Kamal, Electrical and Computer Engineering
Rameshwar S. Kanwar, Agricultural and Biosystems Engineering

Stephen Kim, Marketing
Barbara A. Krumhardt, Genetics, Development and Cell Biology
Kendall R. Lamkey, Agronomy †
Richard A. LeSar, Materials Science and Engineering
Frederic C. Malven, Art and Design
Robert A. Martin, Agricultural Education and Studies
Eugenio D. Matibag, World Languages and Cultures
James M. McCormick, Political Science
James C. McElroy, Management ‡‡
Gary A. Mirka, Industrial and Manufacturing Systems Engineering
Michael G. Olsen, Mechanical Engineering
Cheryll A. Reitmeier, Food Science and Human Nutrition
James F. Rodde, Music †
Lulu A. Rodriguez, Greenlee School of Journalism and Communication
Gerardo F. Sandoval, Community and Regional Planning
Denise A. Schmidt, Curriculum and Instruction
Katherine L. Schwennsen, Architecture
Tom Shih, Aerospace Engineering
Tony A. Smith, Philosophy and Religious Studies
Arum K. Somani, Electrical and Computer Engineering †‡
John C. Soupene, Military Science
Loren C. Stephens, Horticulture
Clyde K. Walter, Logistics, Operations, and Management Information Systems
Gary K. Waring, Naval Science
Eric Weber, Mathematics
Jonathan A. Wickert, Mechanical Engineering ††
Alyson G. Wilson, Statistics
Gregory D. Wilson, English
Olga Zabotina, Biochemistry, Biophysics and Molecular Biology

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

Larry H. Ebbers, University Professor of Educational Leadership and Policy Studies, College of Human Sciences (Chief Marshal)
Sedahlia J. Crase, Professor of Human Development and Family Studies, College of Human Sciences
John Cunnally, Associate Professor of Art and Design, College of Design
Frederick H. Dark, Associate Professor of Finance, College of Business
Richard E. Horton, Emeritus Professor of Electrical and Computer Engineering, College of Engineering
Kenneth C. Kruempel, Emeritus Associate Professor of Electrical and Computer Engineering, College of Engineering
Michael Martin, Associate Professor of Landscape Architecture, College of Design
Jon J. Tollefson, Professor of Entomology, College of Agriculture and Life Sciences
Robert S. Wallace, Associate Professor of Ecology, Evolution and Organismal Biology, College of Liberal Arts and Sciences
Susan F. Yager, Associate Professor of English, College of Liberal Arts and Sciences; Director of the Honors Program

Announcer and Reader of Names

Hollis Monroe, Producer, WOI Radio
Marc Harding, Director of Admissions and Enrollment Services

Student Marshals

Presentation of College Banner

Jenifer A. Tharani, College of Agriculture and Life Sciences
   Escorted by Lester A. Wilson, University Professor of Food Science and Human Nutrition
Jennifer S. Ruddy, College of Engineering
   Escorted by Say Kee Ong, Professor of Civil, Construction, and Environmental Engineering
Kathryn J. Formaker, College of Human Sciences
   Escorted by Anne M. Foegen, Associate Professor of Curriculum and Instruction
Caleb A. Keller, College of Liberal Arts and Sciences
   Escorted by Heimir Geirsson, Associate Professor of Philosophy and Religious Studies
Bethany J. Wilcoxon, College of Design
   Escorted by Douglas M. Johnston, Professor and Chair of Landscape Architecture

Musicians

Conductor
Michael Golemo, Director of Bands
Vocalist
Simon Estes, Distinguished Artist in Residence

Euphonium
Omar Aleman
Teresa Goeddel

French Horn
Sarah Baldus
Chloe Dedic
Lucy Ferneau
Laura Larabee
Christopher Truckenmiller

Trumpet
Matthew Butler
Matthew Gaunitz
Katharine Gay *
Kevin Muehlenthaler
Joel Rindfleisch
Ross Schumaker
Conner Tipping
Chad Zimmermann

Tuba
John Carmicheal
Simon McCoy

Percussion
Evan Davis
Bridget Leahy

Trombone
Allen Chace
Burton Hable
Jeffrey Schmitt
Justin Wang
Seth Zimmermann

* graduating student
Dr. Kenneth M. Quinn, former U.S. Ambassador to the Kingdom of Cambodia, assumed the leadership of the World Food Prize Foundation on January 1, 2000, following his retirement from the State Department.

Ken Quinn grew up in Dubuque, Iowa. Following graduation from Wahlert High School and Loras College, he attended graduate school and then joined the American Foreign Service where his rather unusual diplomatic career spanned almost 32 years. During this time he rose to become one of the two or three most decorated Foreign Service officers of his generation, recognized both for the important role he played in humanitarian and refugee endeavors, as well as for his actions in dangerous and violent situations.

His first assignment was not to an embassy, but as a rural development officer in Vietnam. Subsequent assignments included: a stint on Henry Kissinger's National Security Council staff at the White House; a position as Special Assistant to Ambassador Richard Holbrooke; an assignment as Narcotics Counselor at the US mission to the United Nations in Vienna; humanitarian efforts on behalf of refugees; four years as Chairman of the Inter-agency Task Force on POW/MIA's; and membership of the US-Russia POW/MIA Commission.

Dr. Quinn emerged from these experiences as one of the US government's foremost experts on Indochina. He wrote his doctoral dissertation on the origins of the radical Pol Pot regime and is widely acknowledged as the first person to discover and report on the genocidal policies and practices of the Khmer Rouge in 1974.

Twenty-five years later, while serving as Ambassador, he played a pivotal role in the 1999 capture of the last remaining Khmer Rouge general, who is now awaiting trial for causing the deaths of up to two million Cambodians.

A fluent speaker of Vietnamese, Dr. Quinn also acted as interpreter for President Ford during high level meetings at the White House and personally negotiated the first ever entry by US personnel into a Vietnamese prison to search for American POW/MIA's. He was also a member of the first US team to ever gain entry to a Russian prison for a similar search.

In 1978, Dr. Quinn returned to Iowa to join the staff of Governor Robert Ray under a special exchange program. He was in the forefront of the Governor's Indochinese refugee resettlement program and served as Executive Director of Iowa SHARES, the 1979 program that sent Iowa doctors, nurses, medical supplies and food to Cambodia to alleviate starvation. Subsequent assignments in the Philippines, the Middle East and Cambodia all came at times when terrorism and political violence permeated those areas.

Ambassador Quinn has directed embassy operations during approximately 50 volatile demonstrations, two violent coup attempts and one outbreak of civil war, as well as coordinating the response to several international terrorist incidents. His embassy in Phnom Penh was judged to be the most well prepared US diplomatic mission in terms of responding to external threats and was singled out for special commendation by Secretary Albright. It was also honored with the State Department Award for Human Rights and Democracy.

At his retirement ceremony, Ambassador Quinn was presented the Secretary of State's Award for Heroism and Valor for his efforts to protect American Citizens exposed to danger in Cambodia, as well as the four life saving rescues in which he participated in Vietnam. He is the only Foreign Service officer to have three times won the American Foreign Service Association Award for intellectual courage in challenging policy. Other honors include the Department of Defense Award for Distinguished Civilian Service, a Treasury Department Award for the arrest of an international counterfeiter and terrorist and the Presidential Distinguished Service Award-the highest recognition accorded career State Department officers.

Ambassador Quinn and his wife Le Son reside in Des Moines, Iowa, the headquarters of the World Food Prize Foundation.
# Candidates for Degrees from the College of Agriculture and Life Sciences

## Bachelor of Science

### Curriculum in Agricultural Biochemistry

| Jessica Pan Danner | Carroll |

### Curriculum in Agricultural Business

| Alissa Ann Benish | Fairfax |
| Chelsea Ann Campbell | Shannon City |
| * Michael Alan Haden | * Magna Cum Laude |
| ** Betsy Katherine Halvorsen | New Providence |
| Alex Jordan Lundgren | Lehigh |
| Samuel Jacob Powell | Webster City |
| * Erik John Rave | Manchester |

| Jason Robert Secaur | Urbandale |
| Derek Alan Shalla | Washington |
| Robert James Sladek | Iowa City |
| Justin Earl Sovereign | Cresco |
| Kayla Jean Toms | Boone |
| Mallory Rae Webster | Maple Park, Ill. |
| Samuel Benjamin Wexler | Fairfax, Va. |

### Curriculum in Agriculture and Life Sciences Education

| Alaina Rae Holdgrafer | Webster City |
| Rebecca Lynn Kramer | Peru |
| Eric Christopher Moon | Elkhart |
| * Christopher O'Hare Schlesser | Le Mars |
| Brian William Sexton | Rockwell City |
| Tonya Linn Vetter | Westside |

### Curriculum in Agricultural Studies

| Kassie Jo Billerbeck | Reinbeck |
| Cole David Brotherson | Wall Lake |
| Case Kell Circle | Saint Paris, Ohio |
| William Andrew Felton | Unionville |
| Brandon Jacob Fonken | Kamar |
| Stacey Lynne Frey | Villisca |
| Haylee Nicole Henke | Sycamore, Ill. |
| Brent Joseph Holtkamp | Williams |
| Joseph V. Hotka | Iowa City |
| Nicholas Stuart Lee Hovey | Northwood |
| Dallas Jay Kuper | Osage |
| Dane T. Kuper | Osage |
| Blair Alan Lincoln | Colesburg |
| Christopher James Moore | Corydon |
| Joel Michael Morrison | Reinbeck |
| Jason C. Murphy | Rockford |
| Melissa Elaine Paulus | Parkersburg |
| Joel Ryan Reints | Toledo |
| Nickolas Lee Sawyer | Sibley |
| Joshua James Terpstra | La Porte City |
| Brice Jacob Vaughn | Osage |
| Nathan Dean Voight | Elgin |
| Aaron Larson Wenger | |

### Curriculum in Agricultural Systems Technology

| Benjamin Lee Bader | Jesup |
| Joel H Baskett | Payette, Idaho |
| Nathan Richard Klotzbach | Decorah |
| Abram Mabior Achiek Mabior | Des Moines |
| * Jason Alan Nurre | Delhi |
| Christopher O'Hare Schlesser | Le Mars |
| Andrew Richard Thordsen | Monmouth |
| Kelsey Leeanne Vincent | Conesville |

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

| * Nickolas J. Bowden  | Humboldt  | ** Andrew John Phillips  | Lake View  |
| Alex Edward Mortenson  | Kamrar    | Ashley Marie Raes       | Johnston   |
| Jody Kathleen Peek     | Bloomfield| Lindsey Anne Shultz     | Charles City |

### Curriculum in Animal Ecology

| Katie Leona Berndt    | Good Thunder, Minn. |
| Alex LaVonne Conner  | Council Bluffs       |
| Cassandra Lea Cook   | Davenport            |
| Brenda Sue Cronkhite | Omaha, Neb.          |
| Adria Lynn Duffield Brown | Des Moines |
| Tara June Engel      | Cedar Falls          |
| Jamica Nailah Fonseca | Orlando, Fla.        |
| Lucas Myhre Gonyier  | Dubuque              |
| Andrea Michelle Gord | Dakota City          |

### Curriculum in Animal Science

| Chelsea Christina Clinton  | Cedar Rapids  | ** Alayna Michelle Marks  | Norcross, Minn. |
| Faithe Elizabeth Doscher   | Mechanicsville| * Audrey Lynn Martz       | Grant Park, Ill. |
| Stephanie Andrea Drinnin   | Rush City, Minn.| Emily Dawn Morrison      | Saint Paul, Minn. |
| Penny Marie Eddy           | Wapello       | Bonnie Lynn Mulligan     | San Diego, Calif. |
| Clay Edwin Edge            | Humboldt      | Maureen Kristel Petersen | Ames            |
| Amanda Jo Fabrizius        | Maple Park, Ill.| Allison S. Rauh        | Des Moines      |
| ** Laura Carol Geerdes     | Everly        | Amy Marie Reinhardt      | Farley         |
| Alexandra Joanne Glenn    | Fort Madison  | Lindsey Marie Schwartz  | Donnellson     |
| Jenny A. Gordon            | De Witt       | Stacy Lynn Seelinger    | Osceola        |
| Shayleen Dawn Harrison     | Clarence      | Kyle James Sheil-Brown  | De Witt        |
| Alaina Rae Holdgrafer      | Webster City  | Lisa Janette Stream     | Chariton       |
| Aaron Joseph Holliday      | Omaha, Neb.   | Tyler John Stricker     | Brit           |
| Jake D. Hooper             | Conrad        | * Erin Campsie Thomas   | Ames           |
| Stephanie Marie Hucko      | Winona, Minn. | Monae Christine Verbeke | Orion, Ill.    |
| Heather Koreen LeFleur     | Cedar Falls   | Matthew Wayne Weeda     | Mount Ayr      |
| Amanda Irene Luitjens      | Burt          |                           |                |

### Curriculum in Biology

| Kyle Ryan Bailey           | Des Moines   | Alexander B. Reiss      | Saint Louis Park, Minn. |
| Jenna Lynn Beving          | Wellsburg    | Lauren Devereaux Rugg   | Savage, Minn.           |
| William E. Lyman           | Des Moines   | Elizabeth Alexandra Sax | Woodbury, Minn.         |
| Amanda Marie McDonough     | Ottumwa      |                           |                |

### Curriculum in Dairy Science

| Morgan Marie Welper | Waukon |

### Curriculum in Entomology

| Daniel Aaron McCoy       | Cornelia, Ga. |

* Cum Laude  
** Magna Cum Laude  
*** Summa Cum Laude  
† Honors Program
Curriculum in Environmental Science

Adam Donald Asche  Eagle Grove  **† Edward Akrie Bulliner IV  Saint Louis, Mo.

Curriculum in Food Science

* Abby Marie Ferneding  Manning  ** Jenifer A. Tharani  Mumbai, India
  Irene Hidayat  Semarang, Indonesia  * Shirley Yunita Witarsa  Semarang, Indonesia
  Jessica Ann Hill  Mount Pleasant

Curriculum in Forestry

Alan D. Hardy  Iowa City  Eric Douglas Nath  Riceville
  Joel Kurtis Lemke  Van Meter  Jennifer Marie Rogers  Dubuque

Curriculum in Genetics

Matthew C. Crispin  Boone

Curriculum in Horticulture

Karli Crystal Christensen  Ames  Douglas Jordan Miller  Aplington
  Jessica Ann Crimmins  Earlham  Kelly David Norris  Bedford
  Brant Joseph Dittmer  Lacona  Jason Michael Schall  Gilmore City
  Jordan Schroeder Goos  Treynor  Anna Lisa Webb  Michigantown, Ind.
  Adam Joseph Hebbel  Davenport

Curriculum in Industrial Technology

Alexander Jay Aughenbaugh  Papillion, Neb.  Eric Carl Moberg  Cannon Falls, Minn.
  Daniel Joseph Broich  West Des Moines  Ryne Grant Nelson  Ventura
  Bryan C. Brown  Council Bluffs  David Daniel O’Brien  Coggon
  Nicholas Paul DeLapp  Andover, Minn.  Brandon C. Purviance  Ames
  Jeremy John Feldpausch  De Witt  David Joseph Rasmussen  Wesley
  Mario Garcia  Stone Park, Ill.  Nathan Spencer Seeberger  Oscoda
  Cory David Guiliams  Council Bluffs  * Benjamin Charles Slinger  Faribault, Minn.
  Lauren Marie Hague  Chicago, Ill.  Clayton Richard Stage  Dike
  James Charles Kivell  Aurora  Steven Dennis Stumpe  Scribner, Neb.
  Danielle Sue Lippens  Goose Lake  Joseph Robert Vanstrom  Ham Lake, Minn.
  Krystal Mae Magill  Ankeny  Ebony Monique Watts  Sicklerville, N.J.
  Kyle Curtis Messerly  Fort Dodge

Curriculum in Microbiology

Drew J. Dickson  Ames  Barbara Deane Pomeroy  Cedar Rapids
  Tiffin Holland Duffy  West Des Moines  Calvin Wei Loong Tan  Subang Jaya, Malaysia
  Kok Keong Lim  Kuala Lumpur, Malaysia
  Jennifer Lynn Palmer  Des Moines

* Cum Laude  ** Magna Cum Laude  *** Summa Cum Laude  † Honors Program
Curriculum in Zoology

Patrick Robert Simonsen  Cherokee

Multiple Curricula and Majors

Sayard Layne Ashenfelter  Corning
  Animal Science and Dairy Science

*  Timothy Paul Bruhlher  Rushford, Minn.
  Agronomy and Agricultural Studies

Tonina Leslie Desimone  Bonsall, Calif.
  Animal Science and International Agriculture

Theodore P. Gunther  Muscatine
  Environmental Science and Agronomy

*  Kandace Marie Heitland  New Hampton
  Dairy Science and Liberal Arts and Sciences: Major in Psychology

Nicholas John Kastler  Woolstock
  Agronomy and Seed Science

Alexandra Sofia Litterer  San Juan, Puerto Rico
  Animal Science and Dairy Science

Kimberly Ann Miller  Anamosa
  Agricultural Business and Liberal Arts and Sciences: Major in Economics

Brooks David Nelson  New Providence
  Public Service and Administration in Agriculture and Apparel Merchandising,
  Design, and Production

Scott Trevor Pierce  Ogden
  Agronomy and Seed Science

Daniel Patrick Riordan  Des Moines
  Agricultural Business and Liberal Arts and Sciences: Major in Economics

Kelcy Christina Schröder  Princeton
  Agriculture and Life Sciences Education and Liberal Arts and Sciences:
  Major in Communication Studies

***  Jamie Lynn Seeman  Beaman
  Agronomy and Environmental Studies

Matthew Carl Stinn  Cumberland
  Agricultural Business and Liberal Arts and Sciences: Major in Economics

Elizabeth Sophia Sukup  Dougherty
  Public Service and Administration in Agriculture and International Agriculture

*  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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#### Major in Finance

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#### Major in Logistics and Supply Chain Management

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

46
Benjamin John Raveling  
Mark Wallace Stringham  
Arthur Akil Nangwaya Thomas  
Ethan J. Whited  
Brandon Lee Wills  
Jennifer L. Wood

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**Major in Management**

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<td>Reginald Paul Stephens Jr.</td>
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<td>Patrick Anthony Turner</td>
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**Major in Management Information Systems**

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<td>Dustin C. Bainbridge</td>
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**Major in Marketing**

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

* Magna Cum Laude

*** Summa Cum Laude

† Honors Program

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Nicholas L. Harklau  
Jeffery L. Heard Jr.  
Michael Jonathan Hein  
Adam Joseph Helms  
Allison Theresa Hoefling  
Brandon Taylor Hunley  
Nicholas Joseph Jensen  
Lisa Marie Jungling  
Ferial K. Khatib  
Abbey Shaw Lamm  
** Sarah Katherine Lee  
Robert Harrison Lentz  
Alexander Warren Lucas  
Meghan Luedtke

Humboldt  
Wheeling, Ill.  
Adel  
Ankeny  
Marcus  
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Glenwood  
Aplington  
Clive  
Cedar Rapids  
Lohrville  
Ankeny  
Edina, Minn.  
Fairfield

Patrick William Miller  
Jin Hong On  
Kimberly Angela Paulsen  
Rachel Lee Pizzino  
Ashley Kae Rice  
Forrest Leigh Ridgway III  
Brandon Michael Shaw  
Jesse Alan Stafford  
Kyle Murray Turriff  
Stephen D. Volcko  
Clay Michael Wells  
Ashley M. Willenbring  
Meghan Christine Williams

Van Meter  
Butterworth, Malaysi  
Oxford Junction  
Cedarburg, Wis.  
Iowa Falls  
West Des Moines  
Ames  
Pleasantville  
Newton  
Saint Charles, Ill.  
Ames  
Washington  
Farley  
Des Moines

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### Major in Operations and Supply Chain Management

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### Multiple Curricula and Majors

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<td>† Gina Marie Ambrose</td>
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<td>Marketing, International Business, and Liberal Arts and Sciences: Major in French</td>
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* Cum Laude

* * Magna Cum Laude

* * * Summa Cum Laude

† Honors Program
Kayla Marie Kayser
Le Mars
Finance and Logistics and Supply Chain Management

** Kyle Jacob Larson
Le Claire
Accounting and Finance

Eleanor Joan Lombardi
New Brighton, Minn.
Accounting and Management

Kade A. Mahler
Le Claire
Logistics and Supply Chain Management and Marketing

Afton Joy McGreer
Illinois City, Ill.
Management and Marketing

Megan Marie Megraw
Davenport
Marketing and Liberal Arts and Sciences: Major in Spanish

Leah Lynn Naber
Primghar
Finance and International Business

Sarah Beth Nadler
Ames
Marketing and Management

Bart Russel Niebuhr
Fairbank
Finance and Marketing

Andrew D. Noll
Iowa Falls
Marketing and Management

Teya Marie Norfolk
Sioux Falls, S. Dak.
Accounting and Finance

Julia Elizabeth Obukhovsky
West Des Moines
Management, International Business, and Liberal Arts and Sciences: Major in Russian Studies

Nathaniel Kee Perlewitz
Dubuque
Operations and Supply Chain Management and Liberal Arts and Sciences: Major in Spanish

Jayson Paul Peterson
Bemidji, Minn.
Marketing and Management

Karly Patricia Elaine Pinder
Exeter, Canada
Marketing and Management

Brandon Aric Porter
West Des Moines
Marketing and Logistics and Supply Chain Management

Genevieve Grande Reed
New Hope, Minn.
Marketing, International Business, and Liberal Arts and Sciences: Major in Spanish

Meagan Elizabeth Riggert
Iowa City
Marketing and International Business

Kevin P. Riley
Dodge Center, Minn.
Management and International Business

** Hannah Meagan Rothmayer
Ames
Marketing and International Business

Johnathon Don Schutt
Woodward
Operations and Supply Chain Management and Management

Vasiliy Shebarshov
West Des Moines
Finance, International Business, and Liberal Arts and Sciences: Major in Russian Studies

Tony James Siepker
Templeton
Operations and Supply Chain Management and Finance

Ashley Ann Smith
Rockford
Marketing and Liberal Arts and Sciences: Major in Advertising

Aleisha Ann Marie Stevens
Des Moines
Logistics and Supply Chain Management and International Business

Julie Ann Van Acker
Muscatine
Logistics and Supply Chain Management and Operations and Supply Chain Management

Mark Alan Visser
Hull
Logistics and Supply Chain Management and International Business

Brittanie Page Waddell
Urbandale
Marketing and Management

Lacey Jean Weier
Rockwell
Finance and Management

Ronald Ray Westeen Jr.
Sioux City
Accounting and Finance

*† Dawn R. Wolfer
Melrose
Finance and International Business

**† Nathan Kevin Zahrt
Estherville
Finance and Marketing

* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
CANDIDATES FOR DEGREES FROM THE COLLEGE OF DESIGN

BACHELOR OF ARCHITECTURE

Curriculum in Architecture

Jerica Lin Hining Swisher * Peter Michael Starykowicz Long Grove, Ill.
** Ellen Diane Huppenbauer Burlington

Multiple Curricula

Matthew J. Palan Boone *† Nalena Santiago San Juan, Puerto Rico
Architecture and Environmental Studies Architecture and Environmental Studies

BACHELOR OF ARTS

Curriculum in Art and Design

Joshua Mark Brown Portland, Ore. Jason Patrick Nusbaum Ames
Paul A. Casto Granger Ashlyn Suzanne Owens Waukee
Scott Matthew Foster Kansas City, Mo. Megan Brianne Scieszinski Des Moines
** Jason Alan McReynolds Norwalk Kenniece Ann Webber Baton Rouge, La.
Ratnadewi Mulyadi Jakarta, Indonesia

Multiple Curricula and Majors

Alyssa Renee Dowd Des Moines Jennifer Marie Slawson Davenport
Art and Design and Liberal Arts and Art and Design and Business: Major in
Sciences: Major in Advertising Marketing
Tameka Marnaye Greene Florissant, Mo. Emily Elizabeth Swanson Richfield, Minn.
Art and Design and Liberal Arts and Art and Design and Liberal Arts and
Sciences: Major in Advertising Sciences: Major in Advertising

BACHELOR OF FINE ARTS

Curriculum in Graphic Design

Carmen Jean DeJong Oskaloosa Rachel Kristine Vorm Johnston

* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
Curriculum in Integrated Studio Arts

* Sarah Elizabeth Achtemeier Dubuque
Alexandria Marie Bisanz Saint Paul, Minn.
Kelsey Nicole Blessman Polk City
Christina Meghan Buchwald Ames
Ellen Michelle Buehner Cedar Falls
Brian Joseph Fischer Southlake, Tex.
* David Wayne Gress Avoca
Whitney Jo Huth Dallas
Fumi Elsa Ikeshima Ames

Ryan Matthew Kappelman Milo
Eric Anthony Lovelady Urbandale
Philip Colin Magnini Roselle, Ill.
Jordan Mathew Miller Altoona
Matthew David Rittman Altoona
Ryan Patrick Seiler Ames
Jennifer Rae Thiele Dysart
Shannon E. Walters Ankeny

Curriculum in Interior Design

Alison Ruby Hoyer Davenport
***† Lia Christine Plakke Cedar Falls
* Alese Marie Van Holland Sioux City

Curriculum in Multiple Curricula and Majors

Nicholas Michael Farris Davenport
Integrated Studio Arts and Liberal Arts and Sciences: Major in Advertising

***† Jillian Kate Stevens West Branch
Graphic Design and Liberal Arts and Sciences: Major in Advertising

Bachelor of Landscape Architecture

Curriculum in Landscape Architecture

Ryan William Chapman North Bend, Neb.
Seth Lamb-Reynolds Conn Des Moines

Bachelor of Science

Curriculum in Community and Regional Planning

Myia LaNiece Batie Coralville
Brad Eugene Bollig Fenton
Allison Paula Faas Evansdale
Thomas John Gordon Meriden
Creed Charles Grimm Wapello
Eric Mark Grootveld Ames
Matthew Lee Halbach Fort Dodge
Erik David Hite Cedar Rapids

Adam Michael Kehoss Golden Valley, Minn.
Jacob William Matsen Racine, Wis.
Bryan Matthew Northouse Ankeny
Alicia Pauline Rosman Harlan
Michael W. Snider Rockford, Ill.
Amanda Joy Steben Lombard, Ill.
Reilly Paul Wagenbach Burlington
Bethany Joy Wilcoxon Atlantic

* 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

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<tr>
<th>Name</th>
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<td>Bradley Allen Bodensteiner</td>
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<td>Anthony Brian Condon II</td>
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<td>Cassiana Eileen Cope</td>
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<td>Bret Andrew Daugherty</td>
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<td>Gina I. Fasano</td>
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<td>Michael David Mentink</td>
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<td>Habirah Mohd Rosli</td>
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#### Curriculum in Agricultural Engineering

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* Cum Laude
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*** Summa Cum Laude
† Honors Program
# Curriculum in Civil Engineering

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| **| Wenjuan Li               | Tianshui, China |
|  | Andrew James Loftus      | Savage, Minn.  |
|  | * Amanda Grace Marruffo  | Sterling, Ill. |
|  | Kyle Andrew Medick       | Wheaton, Ill.  |
|  | Khoa N. Nguyen           | Des Moines    |
|  | Jenna Kathryn Nowak      | Waukesha, Wis. |
|  | Jennifer Christine Ohman  | Ames          |
|  | Maxim P. Prokudin        | Ames          |
|  | Nicholas A. Reichl       | Franklin, Wis. |
|  | ** Lindsey Brooke Renstrom | Maple Grove, Minn. |
| **| Jared Paul Rockke        | Belmond      |
| **| Jennifer Sue Ruddy       | Ankeny       |
|  | Burke Edward Sandman     | Geneva, Ill.  |
|  | ** Travis Lee Schilling  | Cedar Falls  |
| **| Teresa Kay Shiflett      | Kearney, Mo.  |
|  | Austin D. Smith          | Creston      |
|  | Eric Joel Smith          | Council Bluffs |
|  | Elizabeth Anne Sorensen  | Ankeny       |
|  | Nathan Matthew Steffen   | Dubuque      |
|  | Matthew Edwin Sundberg   | Boone        |
|  | ** Eric James Swanson    | Le Claire    |
|  | Nathan Alexander Thede   | Boone        |
|  | Koudjo Senye Viglo       | Sioux City   |

# Curriculum in Computer Engineering

| **| Brennen Jeffrey Beavers   | Mount Pleasant |
|  | Andrew W. Crawford        | Fairfield      |
|  | Michael Brian Dent        | Panora         |
|  | Jason L. Funk             | Vinton         |
|  | Tyler John Gustafson      | Aurelia        |
| **| Adam Christopher Jackson  | Cedar Falls    |
|  | Richard Leigh Jones       | Kingsley       |
|  | Stephanie Marie Kaufman   | Volga          |
| ***†| Cory James Kleinheksel    | Wilton         |

| **| Anthony Thomas Nowell     | Keota         |
|  | Matthew Lee Rohlf         | Ames          |
|  | * Clayton Alexander Schumacher | Fairfax |
|  | ** Cory Lee Simon         | Winterset     |
|  | Sijun Sung                | Seoul, Korea  |
| **| Karl Klubal Svec          | Des Moines    |
| * | Jin-Ning Tioh             | Kuala Lumpur, Malaysia |
| * | Joshua Patrick Everett Watt | Howard, S. Dak. |
| **| Eric James Weisskopf      | Oxford        |

# Curriculum in Construction Engineering

| **| Randall James Andrews    | Lewisville, Tex. |
|  | Loren Lee Bouchard       | Jefferson       |
|  | Shawn Michael Corey      | Sioux City      |
|  | Adam Glen Drake          | Red Oak         |
|  | Michael Tyler Hameister  | Gilbert         |
|  | Amanda Kay Hausman       | Omaha, Neb.     |
|  | Matthew John Haverkamp   | Remsen          |
|  | Justin Lee Jackson       | Farragut        |
|  | Renoj N. Jacob           | Ballwin, Mo.    |
|  | Timothy Alan Jennett     | Creston         |
|  | Derrick Julius Jungers   | Hosphers       |
|  | Joshua David Markle      | Des Moines      |
| **| Cory Peter McDermott     | Dubuque         |
|  | Jason Michael Moritz     | Hampton         |
|  | Andrey E. Norton         | Logan           |

| **| Katie Anne Olson         | Marshalltown   |
|  | Ryan Ashton Paul         | Osceola        |
|  | Eric Scott Peterson      | Boone          |
|  | Cole Allen Qualheim     | Denison        |
|  | Bryan Michael Schmidt   | Harlan         |
|  | Gregg Randall Schmidt   | Durant         |
|  | Garrett Kenneth Schroeder | Estherville  |
|  | Scott Lucas Schurman    | Lacona         |
|  | Matthew Neil Schwarck    | Saint Ansgar   |
|  | Andrew D. Siegrest      | Wesley         |
|  | Jesse Paul Spain        | Delmar         |
|  | Jon Peter Van Erkel     | Hollandale, Minn. |
|  | Thomas Brian Wetmore    | Wheaton, Ill.  |
|  | Dustin Dean Worthington | Port Byron, Ill. |

* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
## Curriculum in Electrical Engineering

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<tr>
<td>Paul David Czyz</td>
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## Curriculum in Mechanical Engineering

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*** Summa Cum Laude  
† Honors Program
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**Multiple Curricula and Majors**

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<tr>
<td>Kendra K. Hunter</td>
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<tr>
<td>Industrial Engineering and Liberal Arts and Sciences: Major in Spanish</td>
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<tr>
<td>*** Michael Wesley McCourt</td>
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<tr>
<td>Mechanical Engineering and Liberal Arts and Sciences: Major in Spanish</td>
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<td>* Patrick Casey O'Donnell</td>
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<td>Mechanical Engineering and Environmental Studies</td>
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<tr>
<td>Jeremiah C. Pace</td>
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<tr>
<td>Chemical Engineering 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 Human Sciences

### Bachelor of Science

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

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<td>Jessie Lee Boucher</td>
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#### Curriculum in Child, Adult, and Family Services

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#### Curriculum in Dietetics

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* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
**Curriculum in Early Childhood Education**

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**Curriculum in Elementary Education**

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<td>** Selena Rene Ulrick</td>
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<tr>
<td>Ruth Ann Vohland</td>
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**Curriculum in Family and Consumer Sciences Education and Studies**

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<th>Name</th>
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<td>Julie A. Tlach</td>
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<tr>
<td>Karina Jo Vander Weerdt</td>
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**Curriculum in Family Finance, Housing, and Policy**

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<td>* Lindsey Sue Meier</td>
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**Curriculum in Food Science**

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<td>Elizabeth Lynn Starrett</td>
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* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
**Curriculum in Health and Human Performance**

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

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**Curriculum in Kinesiology and Health**

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<td>Angel D. Ceasar</td>
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<td>* Molly Elizabeth Eshelman</td>
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**Multiple Curricula and Majors**

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<tr>
<td>and Child, Adult, and Family Services</td>
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# Candidates for Degrees from the College of Liberal Arts and Sciences

## Bachelor of Arts

### Curriculum in Liberal Arts and Sciences

#### Major in Advertising

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<tr>
<td>Amanda Lynn Elmore</td>
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<td>Hannah Christine Marti</td>
<td>Story City</td>
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<td>Franklin Osborn Nelson</td>
<td>Saint Paul, Minn.</td>
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<td>Traci Jean Nichols</td>
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<tr>
<td>Kendra N. Schaaf</td>
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<tr>
<td>Kai Yan Wong</td>
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#### Major in Anthropology

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#### Major in Biological/Premedical Illustration

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#### Major in Communication Studies

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<td>Rachel S. Field</td>
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<td>Grinnell</td>
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#### Major in English

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<td>* Aaron Daniel Wiegert</td>
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* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude
† Honors Program
### Major in History

* James Michael Jensen  
  Bettendorf

### Major in Interdisciplinary Studies (Criminology and Criminal Justice)

** **  
Holly Ann Andersen  
Arcadia  
Christopher Ray Clark  
Council Bluffs  
Maurice William Barnette Curry  
Algona  
Jolene Marie Hollingsworth  
Perry  
Brandon Shane Johnson  
Rushville, Neb.  

**  
Avery K. Johnson  
Edwards  
Felipe Rosario  
Charlevoix, Mich.  
Tristan A. Thompson  
Viola, Neb.

*  
James Michael Jensen  
Bettendorf  
Ida Irene Nady  
Nevada  
Justin M. Nolting  
Humboldt  
Naimah Mahasin Saadiq  
Des Moines  
Joshua Jay Vander Zwaag  
Ames

† Honors Program

### Major in Journalism and Mass Communication

Thomas Joseph Birch  
Des Moines  
Tania Caterina Boyer  
Charlottesville, Va.  
Bret M. Culbertson  
Des Moines  
Thomas J. Grundmeier  
Des Moines  
Kelly Lynn Howard  
Owatonna, Minn.  
Laura Dianne Jensen  
Ames  
Emily Sue Keats  
Stevens Point, Wis.

**  
Tina A. Anderson  
McAlester, Okla.  
Garrison D. Cameron  
Charleston, W. Va.  
Lori Lee Forse  
Ashley Jean Morrison  
Woodbine  
David Hamilton Neff  
Ames  
Chelsea Julian Reynolds  
West Des Moines  
Stephanie Lynn Sessions  
Ankeny  
MaryAnn Sherman  
Story City  
Dan Wright  
Ames

*  
Laura Dianne Jensen  
Ames  
Kelly Lynn Howard  
Owatonna, Minn.  
Emily Sue Keats  
Stevens Point, Wis.

††  
Kelly Lynn Howard  
Owatonna, Minn.  
Emily Sue Keats  
Stevens Point, Wis.

### Major in Music

Aaron Michael Bruce  
West Des Moines

### Major in Performing Arts

Danielle Marie Knutson  
Ames  
Erica Elizabeth Neilsen  
Ames  
Lindsey Renee Osborn  
Humboldt  
Katherine Marie Stearns  
Des Moines

### Major in Philosophy

Jonathan James Hapke  
Ames  
Caleb Aaron Keller  
Ames  
Matthew Dean Spurlin  
Fort Dodge

### Major in Political Science

William Matkin Allen  
Des Moines  
Daniel Andrew Asencio  
Windermere, Fla.  
Sonia Michelle Brietzke  
Mason City  
Katharine Jean Collins  
Pella  
John Wesley Gish  
Menasha, Wis.  
Gannon Michael Hendrick  
McCallburg  
Brian Lee Marsh  
Sioux City  
Raphael Martin Montag III  
Boone

Callie Christine Morrow  
Adel  
Leslie Brianne Pralle Keehn  
Latimer  
Michael James Roche  
Fox River Grove, Ill.  
Kurtis Lee Taylor  
Fort Dodge  
Elliot John Tommengo  
West Des Moines  
Marlita Darien Ward  
Cottonport, La.  
Trevin Jay Ward II  
Dubuque

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

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<td>Lindsey Rae Hoshaw</td>
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<td>Candice Amanda Nicholson</td>
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<td>Alicia Renee Renken</td>
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<td>Kelsi Beth Haugen</td>
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### Major in Religious Studies

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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Eric James Waite</td>
<td>Oskaloosa</td>
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### Major in Sociology

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<tbody>
<tr>
<td>Jolene Marie Hollingsworth</td>
<td>Perry</td>
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<td>Daniell Regina White</td>
<td>Creston</td>
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### Major in Spanish

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<tr>
<td>Mary Elizabeth Anderson</td>
<td>Laurens</td>
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<tr>
<td>Jill Lynae Horn</td>
<td>Mission, Tex.</td>
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<tr>
<td>*** Clair Lynn Keene</td>
<td>Bellevue, Neb.</td>
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<tr>
<td>Emily Elizabeth Reno</td>
<td>Batavia</td>
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<tr>
<td>Rose Anna Zimmerman</td>
<td>Panama</td>
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### Major in Speech Communication

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<tr>
<td>Ronnie Lee Nuñez</td>
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<td>** Emily Sarah Raney</td>
<td>Hampton</td>
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<td>Ashlee Mae Walton</td>
<td>Clarion</td>
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### Major in Women’s Studies

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<tr>
<td>Amanda Faye Halfacre</td>
<td>Flower Mound, Tex.</td>
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### Multiple Curricula and Majors

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Olga Oleg Beglet</td>
<td>Chisinau, Moldova</td>
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<tr>
<td>Psychology and Political Science</td>
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<tr>
<td>Jamie Lee Frits</td>
<td>New Sharon</td>
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<tr>
<td>Sociology and Interdisciplinary Studies (Criminology and Criminal Justice)</td>
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<tr>
<td>* Cydnea Lea Beutler Hoff</td>
<td>Omaha, Neb.</td>
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<tr>
<td>Spanish and International Studies</td>
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<tr>
<td>Bradley Joseph Horan</td>
<td>Eden Prairie, Minn.</td>
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<tr>
<td>Communication Studies and Business: Major in Finance</td>
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<tr>
<td>Erin Susan Hughes</td>
<td>Searsboro</td>
<td></td>
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<tr>
<td>Anthropology and Spanish</td>
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<tr>
<td>Sarah Emily Johnson</td>
<td>Ames</td>
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<tr>
<td>Psychology, Interdisciplinary Studies (Criminology and Criminal Justice), and Sociology</td>
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<tr>
<td>** Emily Elise Jones</td>
<td>Nevada</td>
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<tr>
<td>German and Business: Major in Accounting</td>
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<tr>
<td>Puneet Kaur</td>
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<td>Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology</td>
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<tr>
<td>** Jessica Marie Klinker</td>
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<tr>
<td>Sociology and Interdisciplinary Studies (Criminology and Criminal Justice)</td>
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** Cum Laude

** Magna Cum Laude

*** Summa Cum Laude

† Honors Program
Sara Marie Kramer  
Ames  
Sociology and Interdisciplinary Studies  
(Criminology and Criminal Justice)

Emi Oyama  
Shiogama, Japan  
Political Science and International Studies

Jennifer Renae Putz  
Indianola  
Advertising and Spanish

Cilia Maria Ruiz-Paz  
Fairfield  
Psychology and International Studies

Allison Paige Schneider  
Eden Prairie, Minn.  
Spanish and International Studies

Andrew Gene Schuchhardt  
Indianola  
Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology

Dusty Ryan Sederburg  
Elliott  
Sociology and Interdisciplinary Studies  
(Criminology and Criminal Justice)

Zulfo Tursunovic  
Des Moines  
Interdisciplinary Studies (Criminology and Criminal Justice) and Sociology

Trent Aaron Van Ravenswaay  
Sioux Center  
Sociology and Interdisciplinary Studies  
(Criminology and Criminal Justice)

Mary Kathryn Wakefield  
Des Moines  
Psychology and Sociology

BACHELOR OF LIBERAL STUDIES

Curriculum in Liberal Studies

** Krista Marie Berger  
Westside

Ryan Jeffery Bigg  
Altoon

Daniel J. Boden  
Sioux City

Nicole Lynn Boettger  
Carter Lake

Katie Sue Brau  
Mason City

Megan Ann Clark  
West Des Moines

Adam R. Djordjevic  
Des Moines

** Jody Rae Ewing  
Onawa

Meghan SuEllen Ferrie  
Lee’s Summit, Mo.

Shzamir Garcia Tirado  
Ames

* Abby Jo Gleason  
Audubon

Rachael Lizzan Hubbeling  
Pomeroy

Nathan Raynor Johnson  
Logan

Josie Dale Kraft  
Laurens

Jeanette Ione LaFoy  
Audubon

Shannon Theresa Lewis  
Colfax

John William Lickeieg  
Johnston

Megan Marie Lynch  
Spirit Lake

Sara Maria Martin  
Ames

James David Musal  
Ames

Laura Ellen Barrett Parkin  
Ames

** Jennifer Holly Payne  
Woodbine

Bret Thomas Phillips  
Altoona

Adam Pick  
Carroll

Tegan Jemma Reeves  
Memphis, Tenn.

Jonathan Reed Sankey  
Ankeny

Andrea Ann Schoen  
Winterset

Amanda Rachel Sichra  
Boone

Rachael Leah Smith  
Council Bluffs

Sharlene Sharifa Taylor Browne  
Decora

Andrew Ryan Tenney  
Aplington

Rickey Thompson Jr.  
Ames

Miranda Lynn Varner  
Fayette

Tanya Michelle Vernon  
Cedar Rapids

Elizabeth Blayney Wilbur  
Nevada

Lisa Marilee Wyatt  
Grinnell

BACHELOR OF MUSIC

Curriculum in Music

* Katharine Kaylee Gay  
Urbandale

Cum Laude

* Cum Laude

** Magna Cum Laude

*** Summa Cum Laude

† Honors Program
Bachelor of Science
Curriculum in Liberal Arts and Sciences

Major in Anthropology

Miranda Eileen Cox        Corydon
* Michaela Payne        Des Moines
* Lindsay Kay Peterson     Fort Dodge
* Tricia A. Sample       Indianola

Major in Biochemistry

** Haitham Samir Alabsi       Amman, Jordan
Collin Robert Balkie       West Des Moines
Marc James Brouillette       Omaha, Neb.
Christopher Chase Lucas II    Slater
* Jeffrey Thomas Messerly    Des Moines
* Nicholas Ryan Mongar       Bondurant
Matthew Allan Roderick       Cedar Rapids
Laurie Ann Walker           Mason City

Major in Biology

Gregory J. Filer          Bellevue, Neb.
Senya Lee Finney          Cedar Rapids
Karen Sue Gipple          Des Moines
Lisa Anne Haizmann      Rolling Meadows, Ill.
Kara Marie Hessel         Silver City
Scott Charles Jobgen       Manson
*** Clair Lynn Keene        Bellevue, Neb.
Ryan Charles Kelch         Clarion
Kori Marie Lawson          Perry
Jacob Myers               Muscatine
* Pierre Yves Palo Jr.       Ames
* Michaela Payne           Des Moines
* Eric John Peterson       Duluth, Minn.
*** Timothy Joseph Poterucha   Rochester, Minn.
Garrett F. Robinson        Lenox
David Andrew Schleef       Cherokee
** Allison Nicole Walk      Osage
** Mary Elizabeth Ward     Fort Madison
* Kristi Jean Winstead      Ankeny

Major in Chemistry

** Anthony Oran Young       Glenwood

Major in Computer Science

** Adam Richard Audino       Mason City
Matthew Francis Deakyne     Dubuque
Zhasdauren Aldanazarauly Duisebekov     Shymkent, Kazakhstan
* Anthony Robert Hauber     Elkader

Adam Paul Krasny          Hoffman Estates, Ill.
Derek L. Meek             Cedar Rapids
Brandon Keith Miller      Plymouth, Neb.
* David Charles Shannon    Des Moines

Major in Economics

Joel J. Borwick           Johnston
Karl Zane Jacobson        Ogden
Pardeep Kaur             Buena Park, Calif.
**Major in English**

Vivian Josephine d’Alelio  
Annandale, Va.

**Major in Environmental Science**

** Wesley Andrew Atwood  
Keosauqua

**Major in Genetics**

Naser Bader Al-Khalifah  Salwa, Kuwait  
*Magna Cum Laude*

Nicholas Edward Porter  Marion  
*** Summa Cum Laude

Megan Marie Smutzer  Davenport

Ashim Subedee  Surunga, Nepal

**Major in Geology**

* Joseph Christian Bauman  Adel  
Ryan Daniel Shilling  Centerville

**Major in History**

John Edward Barney  Lamoni  
Daniel J. Law  Ames

Katie Jean Case  Ankeny  ** David Edwin Mathews III  Des Moines

Nathan Andrew Dirks  Mason City  Joel Arns Radaj  Burnsville, Minn.

Rachel Nicole Eigenberger  Ames  Danielle Lynn Snytsheuvel  Irvine, Calif.

Joshua Aaron Harms  Nevada  Macala Ann Taulborg  Griswold

Hannah Renee Hausner  Carter Lake  Lucas Michael Taylor  Fort Atkinson

** Benjamin Michael Kayser  Raymond  James Jacob Thompson  West Des Moines

**Major in Journalism and Mass Communication**

* Katie Jo Bishop  Rudd  
Kevin William Stillman  Emmetsburg

Ryan Everett Buck  Des Moines  Matthew Robert Walter  Ames

Angela Amaris Morel  Kansas City, Mo.  

Grant Thomas Olsen  Wessington Springs, S. Dak.

**Major in Mathematics**

Alexander Dean Bollmeyer  Gilmore City  
Luke Schmitz Lichty  Waterloo

Lyndee Rose Heemstra  Burwell, Neb.  * David Charles Shannon  Des Moines

Nicholas John Hinzman  Badger  Kyu Min Song  Seoul, South Korea

Helen F. Hogan  New York, N.Y.

**Major in Meteorology**

Jessica Maureen Reese  Des Moines

*Cum Laude*

** Magna Cum Laude

*** Summa Cum Laude

† Honors Program
## Major in Physics

<table>
<thead>
<tr>
<th>Student Name</th>
<th>City</th>
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<tbody>
<tr>
<td>Kevin J. Flores</td>
<td>Omaha, Neb.</td>
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## Major in Psychology

<table>
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<tr>
<th>Student Name</th>
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<tbody>
<tr>
<td>Lynette Darlene Adams</td>
<td>Indianola</td>
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<tr>
<td>Gabriel Aguirre</td>
<td>St. Louis, Ill.</td>
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<tr>
<td>Aric Nathaniel Anderson</td>
<td>Dubuque</td>
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<td>Maggie Elizabeth Bear</td>
<td>Nevada</td>
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<tr>
<td>Andrew V. Birdsall</td>
<td>Spencer</td>
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<td>Amanda Jade Bordon</td>
<td>Ankeny</td>
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<td>Kersha Renee Bumsted</td>
<td>Anthon</td>
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<td>Tyler Jon Dahle-Melsaether</td>
<td>Decorah</td>
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<td>Kaylee Marie Dingman</td>
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<tr>
<td>Brandi N. Geisinger</td>
<td>Pleasant Hill</td>
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<td>Jonathan James Hapke</td>
<td>Ames</td>
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<td>Molly Beth Heidenreich</td>
<td>Cherokee</td>
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<td>Ashley Lee Maxine Houge</td>
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<td>Jessica Marie Klinker</td>
<td>Osceola</td>
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<td>Caitlin Marie Kooienga</td>
<td>Urbandale</td>
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<td>Ashton E. McNutt</td>
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<td>Lorraine K. Moertle</td>
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<td>John C. Pecaut</td>
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<td>Ashley Lauren Scholl</td>
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<td>Marc Lucas Soltis</td>
<td>Le Claire</td>
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<td>Kelly Lynn Tekippe</td>
<td>Story City</td>
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<td>Shanen Marie Tracy</td>
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<tr>
<td>Jessica Michelle Wild</td>
<td>Cedarburg, Wis.</td>
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## Major in Sociology

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<tr>
<td>Christopher McGuire Burrows</td>
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<td>Molly Katherine Gammon</td>
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<td>Joseph Carl Hosch</td>
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<td>Stephanie Marie Lennon</td>
<td>Manson</td>
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<td>Timothy D. Olson</td>
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## Major in Statistics

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<tr>
<td>Hung-Yun Chen</td>
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<tr>
<td>Thomas S. Harwood</td>
<td>West Chicago, Ill.</td>
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<td>Eric Ryan Henderson</td>
<td>Dubuque</td>
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<tr>
<td>Jessica Marie Romaine</td>
<td>Dubuque</td>
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## Major in Technical Communication

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<tr>
<td>Molly June Allgood</td>
<td>Muscatine</td>
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## Multiple Curricula and Majors

<table>
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<tr>
<th>Student Name</th>
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<tbody>
<tr>
<td>Zachary Robert Bonner</td>
<td>Psychology and Political Science, West Burlington</td>
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<tr>
<td>Juanita Elizabeth Bruce</td>
<td>Biology and Business: Major in Marketing, Richton Park, Ill.</td>
</tr>
<tr>
<td>Carrie Ann Carlson</td>
<td>Anthropology and German, Minneapolis, Minn.</td>
</tr>
<tr>
<td>Michelle R. Chumbley</td>
<td>Sociology and Environmental Studies, Des Moines</td>
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<tr>
<td>Brian Michael Durbin</td>
<td>Sociology and Interdisciplinary Studies, Criminology and Criminal Justice, Itasca, Ill.</td>
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<tr>
<td>Mieko Fuse</td>
<td>Economics and Agricultural Business, Sosa, Japan</td>
</tr>
<tr>
<td>Kristin Marie Garland</td>
<td>Biology and Psychology, Indianola</td>
</tr>
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</table>

* Cum Laude  
** Magna Cum Laude  
*** Summa Cum Laude  
† Honors Program
Steven James Garrison          Knoxville
Sociology, Interdisciplinary Studies
(Criminology and Criminal Justice),
and Spanish

Katie Pam Hall               Manilla
Economics and Business: Major in Logistics
and Supply Chain Management

Douglas Ryan Joachim         Waukon
Geology and Environmental Studies

Laura Eileen Korn            Crystal Lake, Ill.
Psychology and Business: Major in
Marketing

Seung-Gyu Lee                Incheon, South Korea
Mathematics and Statistics

Kraig Lee Popelka            Ames
Geology and Environmental Studies

Amie Marie Rosman-Bakehouse  Sumner
Psychology and Interdisciplinary Studies
(Criminology and Criminal Justice)

Nicholas Edward Sadd         Waterloo
Sociology and Interdisciplinary Studies
(Criminology and Criminal Justice)

Leah Nicole Versteegh        Newton
Sociology and Interdisciplinary Studies
(Criminology and Criminal Justice)
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 2008 Senior Class Council is comprised of 10 students who are dedicated to recognizing seniors for their many achievements.

This year Senior Class Council is planning a number of programs for seniors including both Fall and Spring Senior Weeks, where seniors enjoy special tours and free food on campus; the Senior Package, a gift set that includes 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. Currently proposals are being reviewed and will be sent to seniors for their vote on what campus project to support.

Finally, Senior Class Council invites you and your families to the Iowa State Alumni Center immediately following this commencement ceremony. Enjoy complimentary hors d’oeuvres and a chance to see your new Alumni Center. Please join us!

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

2008-2009 Senior Class Council Leadership

President: Mark Kline
Vice-President: Sarah Wassick

Council Members:
Josh Williams       Steven Walter
Michael Doran      Laura Herke
Ingrid Idso       Timmy Marrinan
Ashley Gosch      Ashley Nelson

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

United States Army
Thomas Lloyd Blackmon

United States Navy
Alexander Jay Aughenbaugh

United State Air Force
Nathan Andrew Dirks
Jonathan Reed Sankey
John David Cacic
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.

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

1895: Matte Locke Macomber, Master of Philosophy; first editor Aurora, the student newspaper; developed the curriculum in Veterinary Science.

1897: James Wilson, Master of Agriculture; received B.S. in 1872 from Iowa State in the first graduating class; Acting President of Iowa State four times.

1898: Virginia Corbett, Master of Philosophy; Dean of Women at Colorado State at Fort Collins.

1903: Robert B. Armstrong, Master of Philosophy.

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 1883-1889.

1909: James W. Robertson, Doctor of Science.

1914: Charles Keffer, Doctor of Science.

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

1914: James Wilson, Doctor of Science.

1915: Marion Dorset, Doctor of Veterinary Medicine.

1915: LaVerne Noyes, Doctor of Engineering; 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.

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 Agriculture.

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.


1929: Clifford P. Fitch, Doctor of Science.

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

1931: John Hammon, Doctor of Science.


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.
1942: George Harrison Shull, Doctor of Science.
1944: Rush B. Lincoln, Doctor of Science.
1945: Thomas Ray Stanton, Doctor of Agriculture.
1947: Mabel Campbell, Doctor of Science; honorary degree conferred at the convocation celebrating 75 years of home economics at Iowa State.
1947: Hazel Steibling, Doctor of Science; honorary degree conferred at the convocation celebrating 75 years of home economics at Iowa State; chief of the Bureau of Human Nutrition and Home Economics, U.S.D.A.
1948: Anson 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 Advisery Committee in 1950; held posts in local, state and national Farm Bureau women’s organizations.
1953: Ezra Taft Benson, Doctor of Agriculture; U.S. Secretary of Agriculture.
1953: Fred T. Whiting, Doctor of Engineering; employed by Westinghouse Company for many years; vice president for Westinghouse Company in charge of the Northwest district.
1954: Thomas Roy Truax, Doctor of Agriculture; head of the Forest Products Division of the U.S.D.A. at Madison, Wisconsin; honorary degree conferred at the 50th anniversary of the Department of Forestry.
1955: Almon H. Fuller, Doctor of Engineering; head of the Department of Civil Engineering at Iowa State.
1955: Bernard W. Hammer, Doctor of Agriculture; involved in Dairy Bacteriology at Iowa State.
1956: John Foster Dulles, Doctor of Laws; U.S. Secretary of State.
1957: Belle Lowe, Doctor of Science; Bureau of Home Economics, Washington, D.C., 1923-1924; food scientist and professor at Iowa State College from 1918 until retirement in 1956; recognized for research on preparation, quality, and preservation of poultry, meats, and fats; published Experimental Cookery, a textbook for many American universities.
1958: Henry Dale Bergman, Doctor of Science; dean of veterinary medicine at Iowa State.
1958: Ralph Kenneth Bliss, Doctor of Science; director of Agriculture and Home Economics Extension at Iowa State.
1958: Charles Edwin Friel, 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.
1997: Simon Estes, Doctor of Humane Letters; studied in voice at the University of Iowa from 1956-1963, from 1964 to 1966 studied at the Juilliard School of Music; distinguished faculty member at Juilliard since 1986; recognized for extraordinary achievements in operatic music, philanthropy, and generosity to disadvantaged children.

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

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

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

2000: John Vincent Atanasoff, Doctor of Science; 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; recognized specifically for his founding and ongoing support of the World Food Prize Foundation, which seeks to publicize the challenges of feeding the world’s growing population and recognize significant advances in our capacity to produce, improve and distribute food.

2002: Katharine Abraham, Doctor of Science; an ISU alumna, she 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 Whisler, 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 the technical and managerial leadership for some of the country’s most important technological achievements and is widely respected by the nation’s military and civilian leaders, often being summoned by them for advice on how best to achieve our country’s 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: Robert D. Ray, Doctor of Humane Letters; an attorney in Des Moines for 14 years; he served an unprecedented five terms as Governor of Iowa, from 1969-1983, and also served as president of the Council of State Governments, and chairman of the National Governors’ Association, Midwestern Governors’ Association, Republican Governors’ Association and Educational Commission of the States; he also served as a U.S. representative to the United Nations; he was named “Most Influential Iowan” at the turn of the century and holds honorary degrees from 17 colleges and universities.

2007: Robert Byorn Bird, Doctor of Science; Vilas Professor Emeritus of chemical and biological engineering at the University of Wisconsin, Madison. Known for five decades of books and research in chemical engineering and thermal science. Most of his childhood spent in Fort Dodge, Iowa; B.S. in Chemical Engr. from University of Illinois; Ph.D. in chemistry from Wisconsin; Fulbright Lecturer and Guggenheim Fellow at Technische Universiteit, Delft, The Netherlands; Fulbright Professor at Kyoto University and Nagoya University, Japan; Fulbright Lecturer at the University of Sarajevo, Bosnia; and a visiting professor at universities in the United States, China and Belgium.

2007: John Pappajohn, 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, 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.
James C. Wilson (1900-1995) was a member of Iowa State's English faculty from 1928 to 1931. He had to resign due to his lack of a Ph.D., and prior to his departure, he submitted a college song candidate for a song contest sponsored by the Iowa State Club of Chicago.

Jim and his wife, Alice, moved to Chicago where as he notes, “We (in addition to their two babies) had $212 in cash from my last paycheck, our five-year-old Chevrolet, and the tent.” He won first place with “The Bells of Iowa State,” and the family was able to purchase a small cottage on Lake Michigan.

“When I wrote ‘The Bells of Iowa State,’ I thought then that it had much more depth and emotion than your basic football fight song,” Wilson said. “Its continuing popularity leaves me very pleased, not so much because it’s my own song, but because it has had such a good effect on those who have been touched by it.” (The Iowa Stater, June 1983)