

# IOWA STATE UNIVERSITY

## BE HERE WHEN THE FUTURE HAPPENS.

We're looking for 100 of the most adventurous minds. Leading scholars who want to challenge students to be their best. Who want to push themselves to make groundbreaking discoveries. Who want to work in a culture that's dedicated to changing the world and shaping the future.



You'll get to do all that and more at Iowa State University. We're a student-centered public research university and a select member of the Association of American Universities. We attract 33,000 students from all 50 states and 106 countries who call us home. At Iowa State, students get to enjoy unlimited academic and social activities – all in a comfortable, friendly, and supportive campus setting. Plus, Ames has been recognized as the second-best college town with a population under 250,000. No wonder we've been voted one of the top 10 best places to live in America. Which means you're going to like it – nay, love it – here.

The faculty positions listed below include 29 identified through the **Presidential High Impact Hires Initiative**, a major institutional effort to recruit talented educators and researchers in strategic areas (*marked with an asterisk in the list below*). Together, these efforts will build on the 140 faculty hired over the last two years, working toward a goal of hiring 200 new colleagues by the end of 2014.

Be where the future happens. Join the world's most adventurous minds at Iowa State University. Visit [www.provost.iastate.edu](http://www.provost.iastate.edu) to apply.

## Open Tenure and Tenure-Track Faculty Positions

### College of Agriculture and Life Sciences

The College of Agriculture and Life Sciences, one of the world's leading institutions of agriculture with more than 150 years of leadership in science, education, and extension, educates future leaders, conducts mission-oriented research, and shares new knowledge for the betterment of Iowa and the world.

**Agriculture and Biosystems Engineering** – 2 positions for assistant or associate professor in the areas of grain management and systems analysis; and manufacturing technology and engineering

**Agronomy** – \*assistant or associate professor, integrated cropping systems and precision agriculture

**Animal Science** – professor and chair

**Economics** – assistant professor, environmental/resource economics

**Plant Pathology and Microbiology** – assistant professor, systems biology of plant-pathogen interactions

### College of Business

The College of Business is an AACSB-accredited, doctoral-granting program that ranks in the top 50 undergraduate and top 40 graduate programs among public universities. Its 75 tenure-track faculty serve an enrollment of 3,908 students.

**Interdisciplinary positions** – \*associate professor, big data and business analytics

**Accounting** – assistant, associate, or professor

**Finance** – assistant, associate, or professor

**Management** – 3 positions for assistant, associate, or professor in the areas of entrepreneurship; human resources; and organizational behavior and strategy

**Marketing** – assistant, associate, or professor

**Supply Chain Management and Information Systems** – assistant, associate, or professor

### College of Design

A recognized leader in design education, Iowa State University's College of Design offers a comprehensive mix of accredited and nationally ranked degree programs. The college educates students to become successful designers, planners, artists, and scholars who enhance human experience and improve the natural, social, and built environment.

**Interdisciplinary positions** – \*4 positions – 2 assistant professor positions in real estate economics, and scientific visualization/BPMI; and 2 associate professor positions in historic preservation, and GIS, geodesign, and geospatial technology

**Architecture** – assistant or associate professor, design and theory specialization

**Community and Regional Planning** – assistant professor

**Graphics Design** – professor and chair

**Landscape Architecture** – professor and chair

### College of Engineering

The College of Engineering is an internationally recognized program with record enrollment dedicated to educating future engineering leaders, research that addresses today's greatest challenges, service to local and global communities, and using technology to make the world a better place.

**Interdisciplinary positions** – \*6 positions – 4 open rank positions in the big data areas of data visualization and data analytics algorithms and software; design of complex engineered systems; high performance algorithms and analysis; and materials informatics and design; and 2 associate professor or professor positions in biological materials; and diagnostic, therapeutic, and medical devices/systems

**Agriculture and Biosystems Engineering** – 2 positions for assistant or associate professor in the areas of manufacturing technology and engineering; and physical modeling

**Aerospace Engineering** – 2 positions for assistant professor in the areas of aerospace structures; and engineering mechanics, computational mechanics and materials, and decision analysis for complex system design

**Chemical and Biological Engineering** – 2 open rank positions in the areas of computational fluid dynamics; and materials for sustainable energy

**Civil, Construction, and Environmental Engineering** – 4 assistant professor positions in the areas of transportation; large complex systems; structural engineering; and large complex systems or structures

**Materials Science and Engineering** – assistant professor, polymers with an emphasis in energy and sustainability

**Mechanical Engineering** – 4 assistant professor positions

### College of Human Sciences

The Iowa State University College of Human Sciences advances the science and technology of living and learning. Promoting excellence and innovation in education, research, outreach, and service, the college improves health and wellness, education and human development, science and technology, and community and entrepreneurship.

**Apparel, Events, and Hospitality Management** – 2 positions for a professor and endowed chair, textiles in clothing, functional and technical design; and an assistant professor, sales and marketing

**Food Science and Human Nutrition** – 4 positions – 2 for an assistant professor, and an associate professor or professor, in nutrition; 1 for an associate professor or professor, food science; and \*1 for an assistant or associate professor in neurobiology, human health promotion, chronic disease prevention, and underserved populations

**Human Development and Family Studies** – 3 positions – 2 open rank positions in family health; and \*1 assistant or associate professor in family health, wellness, and personal health

**Kinesiology** – 5 positions – 2 assistant professors in physical activity and health; 1 assistant professor in muscle physiology; \*1 assistant or associate professor in obesity, exercise, physical activity, genetics, and environment; and 1 associate or professor in physical activity and exercise

**School of Education** – 8 positions – 2 open rank positions in mathematics education, and multicultural and social justice education; 2 assistant professors in student affairs/higher education, and education administration; \*1 assistant or associate professor in family literacy; and 3 associate or professor positions in student affairs/higher education, education administration, and a director of teacher education

### College of Liberal Arts and Sciences

The College of Liberal Arts and Sciences is a world-class learning and research community, and Iowa State's most academically diverse college. LAS educates students to become global citizens, providing rigorous academic programs in the sciences, humanities, and social sciences within a supportive personalized learning environment. Faculty design new materials, unravel biological structures, care for the environment, and explore social and behavioral issues that support people in Iowa and around the world.

**African and African American Studies** (open department) – assistant or associate professor

**Chemistry** – 3 positions – 1 professor position in electrochemistry/catalysis; and 2 assistant professor positions for structural biology and analytical chemistry; and chemical biology or materials chemistry

**Computer Science** – 3 positions – assistant professor, big data and biological data mining; \*open rank, data mining in software repositories; and \*assistant professor, big data privacy and security

**Ecology, Evolution, and Organismal Biology** – 2 positions – assistant professor, macroevolutionary systems biology; and \*assistant professor, systems biology and microbiomes

**Economics** – professor and chair

**English** – 5 positions – associate professor or professor, business and professional communication; assistant or associate professor, language assessment and psychometrics; \*open rank, science communication; \*professor and director, written, oral, visual, and electronic communication; and associate professor or professor/director of the Intensive English and Orientation Program

**Genetics, Development, and Cell Biology** – assistant professor, bioinformatics and computational biology

**Geologic and Atmospheric Sciences** – assistant professor, environmental geochemistry

**Greenlee School of Journalism and Mass Communication** – 3 positions – assistant professor, media law and ethics; and assistant or associate professor, advertising/data-driven persuasion; and \*assistant professor, big data, privacy, and security

**History** – 2 positions – assistant professor, Chinese studies; and assistant professor, modern Latin America

**Mathematics** – 3 positions – open rank, mathematical and computational biology; assistant professor, discrete math/graph theory and combinatorics; and assistant or associate professor, basic probability and stochastic processes

**Music/Theatre** – assistant professor, theatre

**Philosophy and Religious Studies** – 2 positions – open rank, religious studies and environmental humanities; and assistant professor, world religions

**Political Science** – 2 positions – assistant professor, Chinese and Asian politics, international studies; and \*assistant or associate professor, bioeconomy and energy policy

**Psychology** – 2 positions – associate professor, health psychology; assistant or associate professor, quantitative methods

**Statistics** – 4 positions – professor and chair; associate professor, quantitative methods; assistant or associate professor, basic probability and stochastic processes; and \*open rank, big data, data mining from a statistics perspective

**World Languages and Cultures** – 2 assistant professor positions in the areas of Spanish translation/interpretation; and classical studies, Greco-Roman mythology, warrior-hero-veteran

### College of Veterinary Medicine

The College of Veterinary Medicine, the nation's first public veterinary college, has a long tradition of service to society through the education of outstanding veterinarians, provision of cutting-edge clinical and diagnostic services for all animal species, and creation of new knowledge used to better the health of humans and animals and ensure the security of our food supply.

**Interdisciplinary positions** – \*3 positions – assistant or associate professor, big data, DNA sequencing, and pathogen detection; and assistant/associate professor and professor positions in infectious disease, pathogen-host interaction, and translational medicine

**Biomedical Sciences** – assistant professor

**Veterinary Clinical Services** – 4 assistant professor positions in dermatology; anesthesia; soft tissue surgery; and shelter medicine

**Veterinary Diagnostic and Production Animal Medicine** – 3 assistant professor positions in molecular biology; molecular diagnostics; and pathology

**Veterinary Medicine Administration** – professor and associate dean of clinical services

**Veterinary Pathology** – assistant professor, pathology