



# IOWA STATE UNIVERSITY

## Create, Share and Apply Knowledge.

The nearly 26,000 students enrolled at Iowa State University – representing all 50 states and 110 other countries – experience a uniquely personal, welcoming environment and a rich collection of academic and extracurricular programs. Ranked as one of America’s Top 50 Public National Universities by *U.S. News & World Report*, Iowa State prepares students to become global citizens who are culturally informed, technologically adept and ready to lead. Students benefit from faculty and staff members who are passionate about helping them achieve their goals.

Iowa State’s mission, expressed in its 2005-2010 Strategic Plan, is to “Create, Share and Apply knowledge to make Iowa and the world a better place.” In this brochure, you’ll learn how we carry out that mission and you’ll find a variety of helpful facts about the Iowa State experience.

### **On the cover**

The opportunity that Iowa State offers for student initiative, involvement and creativity is attractively reflected in the new mural, “Towards a Legacy.” Seven students spent 10 weeks in 2005 painting the mural on the exterior wall of the Karol J. and Lila Furman Kocimski Auditorium in the College of Design. The mural illustrates the “One Community” theme adopted by the university and the city of Ames.

# Create Knowledge

Students at Iowa State are encouraged to enhance their learning experience by taking part in research projects, helping to create knowledge. Iowa State is among the nation's leading universities in conducting research and successfully applying that research to solve problems and create new products and services. The confidence in the expertise of Iowa State faculty members is reflected in the record funding – \$287 million – directed to Iowa State for research projects, public service activities and educational programs in fiscal year 2005. In recent years, Iowa State has launched bold new research and technology transfer initiatives in such important areas as combinatorial chemistry, plant and animal genomics and biotechnology, bioinformatics, “smart” materials, nondestructive evaluation, plasma science and applications, human nutrition, virtual reality, biorenewables and food safety and security, as well as research and outreach programs dealing with rural America.

## Technology transfer and economic development

Among all universities in the nation, Iowa State now ranks:

- 1st in licenses and options executed on its intellectual property
- 3rd in licenses and options that yield income
- Among top 3 in new patentable biotechnology

Other highlights include:

- 166 new licenses and options signed in FY 2004
- 47 technologies licensed for the first time in FY 2004
- 110 invention disclosures in FY 2004



**Donna Lutz, assistant scientist for the Department of Civil, Construction and Environmental Engineering, has managed the Des Moines River Water Quality Network under contract with the Army Corps of Engineers for 25 years.**



**Engineers from Iowa State's Bridge Engineering Center have helped the Iowa Department of Transportation monitor and evaluate three bridges as part of the \$425 million Interstate 235 reconstruction project in Des Moines. These new bridges are loaded with fiber-optic sensors designed by graduate student Justin Doornink from Sioux Center, Iowa.**

## Major research units associated with Iowa State

**include:** (all phone numbers are 515 area code)

Ames Laboratory (of the U.S. Dept. of Energy), 294-2770

Bioeconomy Initiative, 294-6555

Center for Agricultural and Rural Development, 294-1183

Center for Integrated Animal Genomics, 294-6202

Center for Nondestructive Evaluation, 294-8152

Center for Survey Statistics and Methodology, 294-9773

Center for Transportation Research and Education, 294-8103

Information Assurance Center, 294-8307

Information Infrastructure Institute, 294-0442

Institute for Combinatorial Discovery, 294-6433

Institute for Food Safety and Security, 294-2518

Institute for Physical Research and Technology (IPRT),  
294-2770

Institute for Social and Behavioral Research, 294-4518

Iowa Agriculture and Home Economics Experiment  
Station, 294-1823

Iowa Energy Center, 294-8819

ISU Biotechnology Program, 294-9818

Leopold Center for Sustainable Agriculture, 294-3711

National Animal Disease Center (of the U.S. Dept. of  
Agriculture), 663-7200

National Soil Tilth Laboratory (of the U.S. Dept. of  
Agriculture), 294-5723

National Veterinary Services Laboratories  
(of the U.S. Dept. of Agriculture), 663-7266

Partnerships in Prevention Science Institute, 294-5383

Plant Sciences Institute, 294-5252

Virtual Reality Applications  
Center, 294-3092

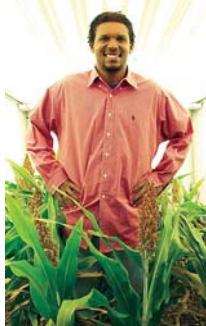


**Joanne Olson, associate professor in curriculum and instruction, was selected as the outstanding science teacher educator of the year by the Association for Science Teacher Education.**

**Edward Yeung, Iowa State University distinguished professor in liberal arts and sciences and director of the chemical and biological sciences program at the U.S. Department of Energy's Ames Laboratory, is the 2004 Iowa Inventor of the Year. Yeung holds 21 patents for technologies.**

## Leading the way at Iowa State

- Iowa State University's Department of Economics ranks first among the top 25 agricultural economics programs in the world, according to *econphd.net*.
- Iowa State University ranks second among universities in the nation for the number of top technologies honored by *R&D Magazine*. Massachusetts Institute of Technology ranks first.
- Iowa State is a major international university. Last year, Iowa State had 154 international agreements with academic and research institutions, 126 of which involved faculty, staff, and/or student exchanges. Iowa State sent 1,185 students abroad to more than 50 countries to participate in nearly 300 study, service-learning and work abroad programs. International enrollment totaled 2,108 students from 110 other nations.
- Created in 1996, Iowa State's Student Alumni Association is the largest student-alumni membership organization in the country!



**Iowa State's Minorities in Agriculture, Natural Resources and Related Sciences chapter was named the national chapter of the year. An Iowa State student, Aaron Jeffries, is serving his second term as the national graduate president.**



**Iowa State graduates are in high demand by employers throughout the nation and the world. Hundreds of companies are represented at Iowa State's engineering, business, agriculture and design career fairs, which are among the largest in the nation.**

# Share Knowledge

Active student learning in a stimulating research university environment is the focus of Iowa State University's educational programs. The academic programs at Iowa State include a broad selection of exciting majors, and some of the world's leading research in science and technology fields. Iowa State's eight colleges offer more than 100 undergraduate degrees and nearly 200 fields of study leading to graduate and professional degrees. Interdisciplinary programs allow students to combine studies in subjects ranging from biological, materials, and information sciences to the arts, humanities, and social sciences.

## **College of Agriculture**

Fall 2005 enrollment, 3,127

515 294-2518

Interim Dean: Wendy Wintersteen

## **College of Business**

Fall 2005 enrollment, 3,769

515 294-3656

Dean: Labh S. Hira

## **College of Design**

Fall 2005 enrollment, 1,901

515 294-7428

Dean: Mark C. Engelbrecht

## **College of Engineering**

Fall 2005 enrollment, 5,410

515 294-5933

Dean: Mark J. Kushner

## **College of Human Sciences\***

Fall 2005 enrollment, 3,287

515 294-7800

Dean: Cheryl Achterberg

## **College of Liberal Arts and Sciences**

Fall 2005 enrollment, 7,037

515 294-7740

Dean: Michael B. Whiteford

## **College of Veterinary Medicine**

Fall 2005 enrollment, 515

515 294-1242

Dean: John U. Thomson

## **Graduate College**

Fall 2005 enrollment, 4,578\*\*

515 294-4531

Dean: David K. Holger

*\*The College of Human Sciences began July 1, 2005. The enrollment for the colleges of Education and Family and Consumer Sciences have been combined.*

*\*\*4,578 graduate students also are included in the individual college counts above, and 695 are interdepartmental and undeclared graduate students.*

**Bruce Roth, '81 Ph.D., organic chemistry, is the inventor of Lipitor® (atorvastatin-cholesterol reducer), the largest selling drug in pharmaceutical history.**

**George Washington Carver, world-renowned plant scientist, received his bachelor's (1894) and master's (1896) degrees from Iowa State.**

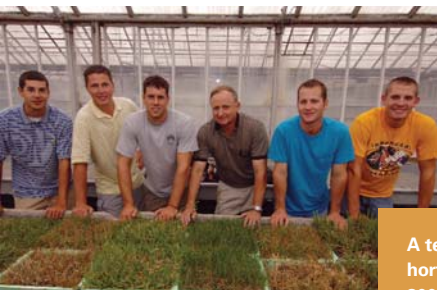
## **Iowa State University promotes student success**

- Approximately 95 percent of Iowa State students are placed in jobs in their fields, or are continuing their education within six months of graduation.
- Iowa State University is among the top universities in the country for career services, according to the *Kaplan's Guide*.
- *U.S. News & World Report* identified Iowa State as one of the top 25 universities with the best learning community programs for undergraduate students.
- An Intel survey ranks Iowa State among the nation's top 20 wireless universities.
- Iowa State University is ranked third nationally among "America's fittest colleges," according to the



**Iowa State University's student-built solar car finished third in the stock class of the 2005 North American Solar Challenge, the world's longest solar car race.**

*Muscle and Fitness* magazine. Iowa State has 5 recreation facilities, more than 45 sports clubs and 60 intramural sports opportunities, and 55 unique fitness classes.



**A team of Iowa State University horticulture students won the 2005 Collegiate Turf Bowl, besting 79 other teams for the title. It was the fourth consecutive year Iowa State's team won the title.**

# Apply Knowledge

Iowa State University applies knowledge through outstanding on- and off-campus academic programs. University Extension shares the expertise of the university in all 99 Iowa counties by building partnerships and providing research-based learning opportunities to improve quality of life in Iowa.

ISU Extension embraces the university's strategic goals of creating, sharing and applying knowledge to make Iowa and the world a better place, and is committed to preparing students of all ages for lifelong, productive participation in society. In partnership with Iowans, ISU Extension provides education and information for agriculture and natural resources, business and industry, communities, families, and 4-H youth development. ISU Extension's Continuing Education

**Iowa State is where two key parts of the land-grant mission were born – Cooperative Extension and the Iowa Agriculture and Home Economics Experiment Station.**

program, in cooperation with all the colleges of Iowa State University and extension field staff, delivers off-campus credit courses, degree programs, service learning programs, and noncredit conferences and seminars. For information about distance learning opportunities, call 515 294-6222 or toll free 800 262-0015. To learn more about ISU Extension, consult [www.extension.iastate.edu](http://www.extension.iastate.edu) or contact your local ISU Extension county office.

**More than 2,000 ISU Extension Master Gardeners throughout Iowa contributed more than 81,000 volunteer hours to their communities in the past year.**



# Campus Profile

Iowa State's nearly 2,000-acre, park-like campus includes more than 160 buildings, many of which are included on the National Register of Historic Places. The Stanton Memorial Carillon bells are housed in the Campanile, perhaps Iowa State's best-known landmark. Iowa State is located in **Ames, Iowa**, ranked as the **second most livable small city in the nation** by the *New Rating Guide to Life in America's Small Cities*. Ames is 30 minutes north of Des Moines, Iowa's state capital and largest population center.

25,741 students (Fall Semester 2005)

20,732 undergraduate students

2,123 minority students

2,108 international students from 110 nations

6,075 faculty and staff

198,911 living alumni in all 50 states and 142 nations

2,416,670 library volumes

\$333,172,566 endowment

1,984-acre campus

March 22, 1858

Chartered as Iowa Agricultural College

March 29, 1864

Designated nation's first land-grant institution

March 17, 1869

Official opening

July 4, 1959

Became Iowa State University of Science and Technology

Reiman Gardens is a 14-acre educational display garden with year-round Christina Reiman Butterfly Wing, conservatory, café, meeting rooms and gift shop. The Gardens feature 11 individual garden areas including a children's garden, home production garden and an award-winning rose garden.



# Academic Calendar

2005	Nov. 21-25	Thanksgiving class break
	Dec. 16-17	Fall Semester Commencements
2006	Jan. 9	Spring Semester classes begin
	Jan. 16	University holiday
	March 13-17	Spring class break
	May 5, 6	Spring Semester Commencements
	May 15	First Summer Session begins
	May 29	University holiday
	June 12	Second Summer Session begins
	July 4	University holiday
	Aug. 5	Summer Commencements
	Aug. 21	Fall Semester classes begin

## Undergraduate Costs

### Academic Costs for two semesters, 2005-2006

Iowa resident tuition	\$ 4,890
Nonresident tuition	14,980
Board and room (residence halls)*	6,197
Computer fee**	204
Health fee	170
Health facilities fee	16
Activity, services and building fee	354
Books and supplies (estimate)	892

\*Standard double room and Cyclone 17 plus meal plan

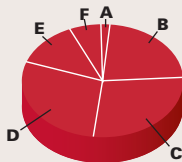
\*\*Computer fee for engineering students, \$437; computer fee for computer science and management information systems students, \$347.

## Operating Revenues

FY 2005

Total: \$822,099,744

<b>A.</b> Federal appropriations \$12,446,533 (1.5%)	<b>D.</b> State appropriations \$236,156,073 (28.7%)
<b>B.</b> Tuition and fees \$184,502,688 (22.5%)	<b>E.</b> Auxiliary enterprises \$106,140,911 (12.9%)
<b>C.</b> Contracts and grants \$228,349,262 (27.8%)	<b>F.</b> Other income \$54,504,277 (6.6%)



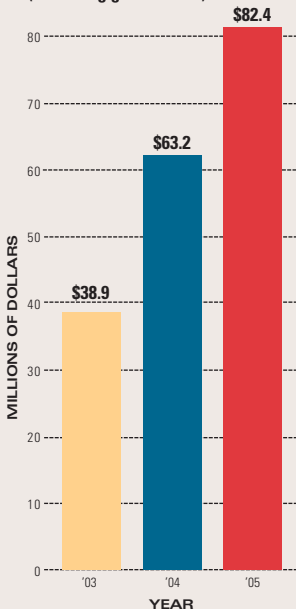
# Private Support

Student scholarships, faculty support, program enhancements, facility improvements and new buildings are some of the important results that occur when donors make gifts to benefit Iowa State University. In 2004-05, a record 55,279 donors made gifts and commitments totaling \$82.4 million to support Iowa State. The role of the Iowa State University Foundation is to maximize private gift support for the university. Donors can be confident their gifts will directly benefit Iowa State students, faculty and other projects. Benefactors help provide the “extras” that make the Iowa State experience so special.



**Rohini Ramnath is one of thousands of Iowa State students who have benefited from private support. During the 2004-05 academic year, the ISU Foundation made \$13 million available to students through scholarships, loan programs and other student assistance established by many generous donors.**

**Private Funds Raised Over 3 Years to Benefit Iowa State University (excluding gifts-in-kind)**



# Intercollegiate Athletics

**Nickname:** Cyclones

**School colors:** Cardinal and Gold

**Jack Trice Stadium:**

Seats 45,814 (Football)

**James H. Hilton Coliseum:**

Seats 14,092 (Basketball)

- Iowa State was one of eight athletic programs among 119 NCAA Division I-A schools to both win a bowl game and earn bids to the men's and women's NCAA basketball postseason tournaments in 2004-05.
- Iowa State's Big 12 Conference North Division football co-championship marked the school's first league gridiron title of any kind since 1912.
- The Iowa State graduation rate of 89 percent for student-athletes who exhaust their eligibility ranks second in the Big 12 Conference.
- The Cyclone women's basketball program is a national leader, having made seven NCAA Tournament appearances in the last nine seasons. Iowa State has ranked among the top 10 schools nationally in attendance for the last six years.
- The men's basketball team advanced to the second round of the NCAA Tournament in 2005, one of 15 postseason tournament appearances in 21 years.

## NCAA Team Championships (since 1965)

- **Wrestling** – seven
- **Women's Cross Country** – five
- **Men's Cross Country** – two
- **Men's Gymnastics** – three



**The Cyclone football squad beat Miami University 17-13 to win the 2004 Independence Bowl, marking the program's fourth postseason bowl appearance in five years.**

- Iowa State's women's gymnastics team placed among the top eight teams nationally at the NCAA meet in 2000 and 2005.
- The only undefeated four-time NCAA wrestling champion in collegiate history (159-0), Iowa State assistant coach Cael Sanderson, won a freestyle gold medal at the 2004 Athens Olympic Games.
- The 2004-05 Iowa State women's basketball team ranked fifth nationally with a 3.5 grade point average. It was one of four teams in the Women's Basketball Coaches Association top 20 that made the NCAA Tournament and the only team from a Bowl Championship Series conference to earn a spot in the top 20.



# Arts and Entertainment

From center court to center stage, the Iowa State Center is the most all-encompassing four-building conference, athletic and performing arts complex on any university campus in the nation.

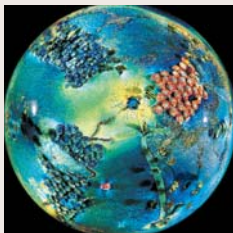
- **Stephens Auditorium** – Selected in 2004 as Iowa's Building of the Century by the American Institute of Architects, Stephens Auditorium is the crown jewel of the Iowa State Center. This 2,747-seat hall, hosts a dazzling array of inter-national performances of music, theater and dance, as well as world-class orchestras, popular Broadway musicals, and explosive country and rock concerts.
- **Fisher Theater** – seats 450 in an intimate setting, perfect for drama, dance and ISU Theatre productions.
- **Hilton Coliseum** – home of "Hilton Magic," roars with excitement of Cyclone athletics and popular concerts like Kenny Chesney, John Mayer, Dave Matthews Band and James Taylor.
- **Scheman Building** – with 21 meeting rooms, two large lobbies and the 456-seat Benton Auditorium, Scheman is a great venue for conferences, seminars or social events.

The Scheman Building houses the **Brunnier Art Museum**, the heart of the campus' extensive art collection. The **Farm House Museum** on central campus focuses on decorative arts from 1860 to 1910. Iowa State is also home to the largest public art on campus collection at any college or university in the nation.

The **Memorial Union** offers the arts up close. The **Maintenance Shop** features top names in jazz, blues, folk and rock and many up-and-coming bands. The **Workspace** is an open studio facility that offers non-credit classes and space to work on personal projects.

For more information contact:

- Iowa State Center, 515 294-3347 or 877 843-2368; [www.center.iastate.edu](http://www.center.iastate.edu)
- University Museums, 515 294-3342; [www.museums.iastate.edu](http://www.museums.iastate.edu)
- Maintenance Shop, 515 294-2969; [www.m-shop.com](http://www.m-shop.com)



*Megaplanet is a signature work of art commissioned to celebrate the University Museums' 25th Anniversary. Josh Simpson, an internationally acclaimed sculptor working in glass, visually expresses in Megaplanet Iowa State's mission to explore creative interactions and integrations between art, science and technology in our global world.*

*Megaplanet, 2001, Josh Simpson Photography by Tommy Olos Elder.*

# Useful Sources

[www.iastate.edu](http://www.iastate.edu)

Gregory L. Geoffroy, President, 515 294-2042

Benjamin J. Allen, Vice President for Academic Affairs  
and Provost, 515 294-0070

Thomas L. Hill, Vice President for Student Affairs, 515 294-4420

Warren R. Madden, Vice President for Business and Finance, 515 294-6162  
Student Answer Center, 515 294-4469

ISU Library, 515 294-3642

Office of University Relations, 515 294-7958

Office of Admissions, 515 294-5836; toll-free 800 262-3810

ISU Alumni Association, 515 294-6525

ISU Foundation, 515 294-4607

University Conference Services, 515 294-6222

Employment Opportunities, 515 294-2936

## Ticket Information

Iowa State Center events and performances 515 294-3347

or toll free 877 THE-CENTER 877 843-2368

TicketMaster 515 233-1888

Memorial Union arts and performances 515 294-8081

Athletic events toll free 888 ISU-CYCLONE 888 478-2925

Produced by the Office of University Relations 10/05.

Iowa State University does not discriminate on the basis of race, color, age, religion, national origin, sexual orientation, gender identity, sex, marital status, disability, or status as a U.S. veteran. Inquiries can be directed to the Director of Equal Opportunity and Diversity, 3680 Beardshear Hall, 515-294-7612.