

# Education

**Agriculture and Life Sciences  
Education  
Early Childhood Education**

**Elementary Education  
Family and Consumer Sciences  
Education and Studies**

**Kinesiology and Health  
Secondary Education**

**Iowa State University has more than 100 majors that provide virtually unlimited academic opportunities.** In this brochure you'll find information about your specific area of interest and a family of related majors that you may want to explore during your adventure here at Iowa State. Please use the contact information listed inside and let us help you discover your passions, unlock your potential, and **enjoy the adventure.**

## **Your mission?**

Though technical skills in any field are an asset, communication and people skills are valued almost more than any other. As a teacher, trainer, or coach, your work becomes critical to the smooth operation of your company or school.

Your mission? Improve performance, increase productivity, inspire, and motivate. With an education-based degree, Iowa State graduates have established rewarding careers in fields such as education, coaching, employee training and development, youth programming, and hospital programming.

## **Study**

Teaching is what we do best. For Iowa State faculty, that means going beyond the boundaries of the classroom and serving as your mentors as you work in real-world teaching environments.

Our teachers practice what they teach, often setting the model for secondary and elementary schools and professional training programs. Their research in education has earned faculty national teaching awards: President of the Council on Technology Teacher Education, Teaching Fellows in the National Association of College Teachers of Agriculture, Honorary Distinguished Professors at the National Agricultural University in the Ukraine, election to the American Academy of Kinesiology and Physical Education, and assignment as the Director of the National Science Foundation.

## **Practice**

When you enroll in many of Iowa State's teaching programs, you begin your work as a teacher almost immediately. As a freshman, you will take courses in education and perhaps teach in a community setting or as an athletic trainer.

By the time you graduate, you will have observed teachers in the field, conducted teaching research to help you develop your own teaching style and philosophy, and taught or coached for at least 14 weeks in a supervised setting.

## **Prepare**

Even preschoolers operate computers. Day care centers, schools, businesses, and fitness providers recognize that technical training is critical to their success. To make certain you are prepared to meet this challenge, Iowa State maintains the Center for Technology in Learning and Teaching and technical resource centers where you are trained in the latest educational technologies.

## **And then ... teach**

# Education

## Select an academic program that's best for you

Education is a necessary component of any successful organization, whether it is a school, hospital, church, business, or government. The programs listed in this brochure will provide you with teaching experience that can be applied to every professional situation. Many programs require similar coursework. This allows you to explore a broad range of education-related fields in the early phases of your academic career. Your adviser

will work with you to design your curriculum and make certain you take advantage of all the opportunities Iowa State offers—specialized courses, internships, research projects, student clubs and organizations, and learning communities. For more information, please contact the person listed for each program, or phone the Iowa State University Office of Admissions, 800 262-3810.

### Agriculture and Life Sciences Education

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The agriculture and life sciences education major combines agriculture and life sciences with social sciences and communications. Some students choose the teacher certification option while others choose the communications option. These options encourage you to focus on developing your people skills in combination with your agricultural expertise.

Small class size encourages you to closely interact with faculty and peers as you develop agricultural

business proposals, participate in group projects, conduct FFA activities, and review and critique student work using a variety of communication technologies.

With a degree in agricultural education you will have skills needed to work in public service or industry settings as an agricultural sciences teacher, a communications specialist, an education specialist, or a product or service representative.

### Early Childhood Education

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The curriculum in early childhood education prepares you to work with children from birth through third grade in both general and special education.

In addition to your coursework you will have the opportunity to get hands-on experience in the ISU Child Development Laboratory School and elementary schools. This program will prepare you for licensure to teach in early childhood (preschool and primary) classrooms or home-

based programs, with emphasis on inclusive services. The early childhood education program is administered jointly by the School of Education and the Department of Human Development and Family Studies.

As a graduate you will be prepared to work in early intervention programs, preschool, and primary classrooms that may include children with special needs.

### Elementary Education

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A degree in elementary education prepares you to teach all subject areas K–6, and extend your license K–8 in one or more of the following endorsements: art, English/language arts, world languages, health, history, instructional strategist I (special education), mathematics, science, social studies, and speech/theater as well as English as a Second Language (ESL) for K-12.

As an elementary education major you will learn how to develop instructional materials for classroom use, adapt materials for diversity, and engage students in the critical fields of science-technology-education-mathematics (STEM).

Your studies will prepare you with many classroom experiences including a supervised, semester-long student teaching experience.

## Family and Consumer Sciences Education and Studies

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In this major you will gain a broad understanding of individual and family issues and use your education and research to improve the well-being of individuals, families, and communities.

Three options in family and consumer sciences education and studies are available: teacher licensure, communications, and professional studies.

Graduates in the licensure option teach at the middle and high school levels preparing youth for their roles within families, careers, and communities. In the communications option

you will learn how to apply the principles of journalism, marketing, and public relations to the family and consumer sciences field. The professional studies option allows you to develop an individualized program of study using general family and consumer knowledge to prepare you for work in a non-profit organization or in the private sector working with family nutrition, housing, financial planning, life planning, and other issues that affect individuals, families and communities. All options can be preparation for public policy, pre-law, and extension opportunities.

## Kinesiology and Health

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When you enroll in kinesiology and health at Iowa State you will study the physiological and behavioral aspects of physical activity and human movement through disciplines such as biomechanics, exercise physiology, motor control, and exercise psychology.

There are four areas of specialization to choose from: community and public health, exercise science, physical education teacher education (K-12), and pre-health professions. You can also pick up an endorsement to teach health or coach interscholastic athletics.

Your education will include exposure to well-equipped human movement labs as well as world-class faculty and staff assisting you with your academic preparation.

These programs prepare you to work as a

community health specialist or wellness coach, exercise leader or personal trainer, or a physical education teacher and coach.

The pre-health professions specialization will prepare you for entry into graduate school or professional schools such as physical therapy, medical school, or other health care professions.

In addition to your coursework, you will have the opportunity to complete a semester-long field experience within health or fitness facilities, student teach at the elementary and secondary level, gain real-world experience through practicums and volunteer activities, and maybe even study abroad.

Get ready for meaningful work improving the lives of others in a satisfying career in health, physical activity and preventive medicine.

## Secondary Education

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At Iowa State University, our Secondary Education Program encourages you to become an expert in your subject matter. There are nine areas of undergraduate licensures located within the College of Liberal Arts and Sciences—Biology, Chemistry, Earth Science, English, History—Social Sciences, Mathematics, Music, Physics, and World Languages and Cultures.

As a future teacher of grades 5-12, you will choose an area of specialization—focusing your studies to best utilize your gifts and talents as a teacher. Many undergraduates participate in

faculty research projects or work with faculty in the field—teaching, developing instructional materials and equipment, or working with special needs students.

First you choose your major. Then you apply to our Education Preparation Program, upon acceptance and successful completion of the program you will be recommended for licensure and become an educator. Along the way, you will work side-by-side with an experienced teacher who will give you opportunities to practice what you have learned in a real-life classroom.

## Honors and awards

Iowa State's programs are recognized nationally as some of the best.

The School Technology and Readiness Report cited Iowa State's curriculum and instructional technology program as one of four nationally for excellent modeling and best use of technology in teaching, and the agricultural and extension education program as one of the top two programs among colleges and universities.

## Internships and cooperative learning opportunities

As a future teacher, coach, or trainer, you expect hands-on experience. Iowa State offers a diverse range of teaching and training opportunities, both on and off campus.

On-site laboratory schools encourage you to observe and participate in the education of children from birth through kindergarten. Student-managed programs, such as the Ag 450 Farm, and university-organized extension services provide opportunities for you to train employees and direct community activities.

Every student pursuing a degree in education is required to participate in student teaching, a field study program, a cooperative learning program, or an internship. These partnerships with industry professionals and faculty provide you with a chance to discover your own teaching and training style. Many undergraduates develop company training and on-site wellness programs or design classroom management strategies.

## Unique opportunities

As an Iowa State undergraduate, you will have the option of participating in a wide variety of social, academic, and professional activities outside of the classroom that often create lasting professional and personal support systems. Some of these activities include:

- Palmer Building's state-of-the-art classrooms—observe and work with infants and children at Iowa State's accredited Child Development Lab, a school for birth through kindergarten learners, and at the Older Children's Lab after-school program
- Kinesiology and Health science labs—use state-of-the-art equipment to study physiology, biomechanics, motor control, and exercise physiology
- Residential learning communities—live with other freshmen in your major, take courses together, participate in faculty-directed study sessions, learn from peer mentors, and interact with professionals in your field
- Department committee service—participate in departmental decision-making processes that impact your education
- Service projects—work with youth shelters or nursing homes as a member of the undergraduate clubs in the human sciences education program
- Iowa State's Center for Industrial Research and Service—become a consultant for internationally recognized businesses

- Ag 450 Farm—join the team that manages this student-run farm, makes decisions, supervises employees, and directs farm activities
- Young Writer's Conference—volunteer to work with Iowa elementary school students in this statewide conference
- Study abroad programs—travel to almost any country in the world and discover learning from a global perspective

## Student organizations

Students are encouraged to join student clubs and professional organizations to support their academic pursuits. Organizations include:

- Agricultural Communications of Tomorrow
- Agricultural Education Club
- Alliance for Health and Fitness Professionals
- Eta Sigma Gamma (for Community/Public Health students)
- Family and Consumer Sciences Education and Studies Club
- Human Development and Family Studies Club
- Iowa State University Education Association
- Kinesiology and Health Majors Club
- National Science Teachers Association
- New Student Programs/Destination Iowa State
- Phi Upsilon Omicron
- Students Aiding Education

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## Questions about admission

In addition to writing us at the address at left, we encourage you to visit our Web site, which features a course catalog, online application, and campus information.

Also, you can follow us on:



## Preparing to do your best while in school

The best preparation continues to be a strong college preparatory program of study, which includes courses in English, mathematics, laboratory science, social studies, and foreign languages. If you intend to transfer credits from another institution, you may contact our Office of Admissions for assistance in selecting the best courses for your program of study.

Material in this brochure was accurate at the time of printing. For the most up-to-date information, visit our Web site at [www.iastate.edu](http://www.iastate.edu).

Iowa State University does not discriminate on the basis of race, color, age, ethnicity, religion, national origin, pregnancy, sexual orientation, gender identity, genetic information, sex, marital status, disability, or status as a U.S. veteran. Inquiries can be directed to the Office of Equal Opportunity and Compliance, 3280 Beardshear Hall, 515 294-7612.