

# Catalog Contents

## Iowa State University

- About the Catalog
- Academic Calendar
- Academic Life
- Accreditation and Administration
- Admissions and Registrar
- A-Z Courses
  - Accounting (ACCT)
  - Advertising (ADVRT)
  - Aerospace Engineering (AER E)
  - African American Studies (AF AM)
  - Agricultural Education and Studies (AGEDS)
  - Agricultural Engineering (A E)
  - Agronomy (AGRON)
  - Air Force Aerospace Studies (AFAS)
  - American Indian Studies (AM IN)
  - Animal Ecology (A ECL)
  - Animal Science (AN S)
  - Anthropology (ANTHR)
  - Apparel, Events, and Hospitality Management (AESHM)
  - Apparel, Merchandising and Design (A M D)
  - Arabic (ARABC)
  - Architecture (ARCH)
  - Art and Design (ART)
  - Art Education (ARTED)
  - Art History (ART H)
  - Astronomy and Astrophysics (ASTRO)
  - Athletic Training (A TR)
  - Athletics (ATH)
  - Biochemistry, Biophysics, and Molecular Biology (BBMB)
  - Bioengineering (BIOE)
  - Bioinformatics and Computational Biology (BCB)
  - Bioinformatics and Computational Biology (BCBIO)
  - Biological Systems Engineering (BSE)
  - Biological/Pre-Medical Illustration (BPM I)
  - Biology (BIOL)
  - Biomedical Sciences (B M S)
  - Biorenewable Chemicals (BR C)
  - Biorenewable Resources and Technology (BRT)
  - Business Administration (BUSAD)
  - Chemical Engineering (CH E)
  - Chemistry (CHEM)
  - Chinese (CHIN)
  - Civil Engineering (C E)
  - Classical Studies (CL ST)
  - Communication Disorders (CMDIS)
  - Communication Studies (COMST)
  - Community and Regional Planning (C R P)
  - Community Development (C DEV)
  - Complex Adaptive Systems (CAS)
  - Computer Engineering (CPR E)
  - Computer Science (COM S)
  - Construction Engineering (CON E)
  - Criminal Justice Studies (CJ ST)
  - Curriculum and Instruction (C I)
  - Dance (DANCE)
  - Design (DES)
  - Design Studies (DSN S)
  - Dietetics (DIET)
  - Ecology and Evolutionary Biology (EEB)
  - Ecology, Evolution, and Organismal Biology (EEOB)
  - Economics (ECON)
  - Educational Administration (EDADM)
  - Educational Leadership and Policy Studies (EL PS)
  - Electrical Engineering (E E)
  - Engineering (ENGR)
  - Engineering Mechanics (E M)
  - Engineering Studies (E ST)
  - English (ENGL)
  - Entomology (ENT)
  - Environmental Science (ENSCI)
  - Environmental Studies (ENV S)
  - Event Management (EVENT)
  - Family and Consumer Sciences Education and Studies (FCEDS)
  - Family Financial Planning (FFP)
  - Finance (FIN)
  - Food Science and Human Nutrition (FS HN)
  - Forestry (FOR)
  - French (FRNCH)
  - Genetics, Development and Cell Biology (GDCB)
  - Genetics (GEN)
  - Genetics-Interdisciplinary (GENET)
  - Geology (GEOL)
  - German (GER)
  - Gerontology (GERON)
  - Global Resource Systems (GLOBE)
  - Graduate Studies (GR ST)
  - Graphic Design (ARTGR)
  - Greek (GREEK)
  - Health Studies (H S)
  - Higher Education (HG ED)
  - Historical, Philosophical, and Comparative Studies in Education (H P C)
  - History (HIST)
  - Honors (HON)
  - Horticulture (HORT)
  - Hotel, Restaurant, and Institution Management (HRI)
  - Human Computer Interaction (HCI)
  - Human Development and Family Studies (HD FS)
  - Human Sciences (H SCI)
  - Immunobiology (IMBIO)
  - Industrial Design (IND D)
  - Industrial Engineering (I E)
  - Information Assurance (INFAS)
  - Integrated Studio Arts (ARTIS)
  - Interdisciplinary Graduate Studies (IGS)
  - Interior Design (ARTID)
  - International Studies (INTST)
  - Iowa Lakeside Laboratory (IA LL)
  - Journalism and Mass Communication (JL MC)
  - Kinesiology (KIN)
  - Landscape Architecture (L A)
  - Latin (LATIN)
  - Liberal Arts and Sciences Cross-Disciplinary Studies (LAS)
  - Library (LIB)
  - Linguistics (LING)
  - Management Information Systems (MIS)
  - Management (MGMT)
  - Marketing (MKT)
  - Materials Engineering (MAT E)
  - Materials Science and Engineering (M S E)
  - Mathematics (MATH)

- Mechanical Engineering (M E)
- Meteorology (MTEOR)
- Microbiology (MICRO)
- Military Science (M S)
- Molecular, Cellular and Developmental Biology (MCDB)
- Music (MUSIC)
- Natural Resource Ecology and Management (NREM)
- Naval Science (N S)
- Neuroscience (NEURO)
- Nuclear Engineering (NUC E)
- Nutritional Sciences (NUTRS)
- Organization for Tropical Studies (OTS)
- Organizational Learning and Human Resource Development (OLHRD)
- Performing Arts (PERF)
- Philosophy (PHIL)
- Physics (PHYS)
- Plant Biology (PLBIO)
- Plant Pathology (PL P)
- Political Science (POL S)
- Psychology (PSYCH)
- Religious Studies (RELIG)
- Research and Evaluation (RESEV)
- Russian (RUS)
- Seed Technology and Business (STB)
- Sociology (SOC)
- Software Engineering (S E)
- Spanish (SPAN)
- Special Education (SP ED)
- Speech Communication (SP CM)
- Statistics (STAT)
- Supply Chain Management (SCM)
- Sustainable Agriculture (SUSAG)
- Technology and Social Change (T SC)
- Technology Systems Management (TSM)
- Theatre (THTRE)
- Toxicology (TOX)
- Transportation (TRANS)
- University Studies (U ST)
- Veterinary Clinical Sciences (V C S)
- Veterinary Diagnostic and Production Animal Medicine (VDPAM)
- Veterinary Microbiology and Preventive Medicine (V MPM)
- Veterinary Pathology (V PTH)
- Women's Studies (W S)
- World Languages and Cultures (WLC)
- Career Preparation
  - Opportunities for Preprofessional Study
  - Opportunities in Teacher Education
- College of Agriculture and Life Sciences
  - Agricultural Business
  - Agricultural Education and Studies
  - Agricultural Systems Technology
  - Agronomy
  - Animal Science
  - Biochemistry, Biophysics, and Molecular Biology
  - Biology
  - Community Development
  - Culinary Science (AGLS)
  - Diet and Exercise (AGLS)
  - Dietetics - Undergraduate Program (AGLS)
  - Entomology
  - Environmental Science
  - Food Science (AGLS)
  - Food Science and Human Nutrition (AGLS)
  - Genetics - Undergraduate
  - Global Resource Systems
  - Horticulture
  - Industrial Technology
  - International Agriculture
  - Microbiology
  - Natural Resource Ecology and Management
  - Nutritional Science Undergraduate Program (AGLS)
  - Plant Pathology and Microbiology
  - Professional Agriculture
  - Public Service and Administration in Agriculture
  - Sustainable Agriculture
  - Technology Systems Management
- College of Business
  - Accounting
  - Business Administration
  - Finance
  - International Business
  - Management Information Systems
  - Management
  - Marketing
  - Supply Chain Management
- College of Design
  - Architecture
  - Art and Design
  - Art Education
  - Art History
  - Community and Regional Planning
  - Design Studies
  - Design
  - Graphic Design
  - Industrial Design
  - Integrated Studio Arts
  - Interior Design
  - Landscape Architecture
- College of Engineering
  - Aerospace Engineering
  - Agricultural Engineering
  - Bioengineering
  - Biological Systems Engineering
  - Chemical Engineering
  - Civil Engineering
  - Computer Engineering
  - Construction Engineering
  - Electrical Engineering
  - Energy Systems Minor
  - Engineering Mechanics
  - Engineering Sales Minor
  - Engineering Studies
  - Engineering
  - Industrial Engineering
  - Materials Engineering
  - Materials Science and Engineering
  - Mechanical Engineering
  - Non-destructive Evaluation Engineering
  - Nuclear Engineering
  - Software Engineering
  - Systems Engineering
- College of Human Sciences
  - Apparel, Events, and Hospitality Management
  - Apparel, Merchandising, and Design

- Athletic Training
- Athletics
- Culinary Science (H SCI)
- Curriculum and Instruction
- Dance
- Diet and Exercise (H SCI)
- Dietetics - Undergraduate Program (H SCI)
- Educational Leadership and Policy Studies
- Event Management
- Family and Consumer Sciences Education and Studies
- Family and Consumer Sciences
- Family Financial Planning
- Food Science and Human Nutrition (H SCI)
- Food Science (H SCI)
- Gerontology
- Hospitality Management
- Human Development and Family Studies
- Human Sciences
- Kinesiology
- Nutritional Science Undergraduate Program (H SCI)
- School of Education
- Textiles and Clothing
- College of Liberal Arts and Sciences
  - African and African American Studies
  - Air Force Aerospace Studies
  - American Indian Studies
  - Anthropology
  - Biochemistry, Biophysics, and Molecular Biology
  - Bioinformatics and Computational Biology Undergraduate
  - Biological/Pre-Medical Illustration
  - Biology
  - Botany
  - Chemistry
  - Classical Studies
  - Communication Disorders
  - Communication Studies
  - Computer Science
  - Criminal Justice Studies
  - Ecology, Evolution, and Organismal Biology
  - Economics
  - English
  - Environmental Science
  - Environmental Studies
  - Genetics, Development and Cell Biology
  - Genetics
  - Geological and Atmospheric Sciences
  - Greenlee School of Journalism and Communication
  - History
  - International Studies
  - Liberal Arts and Sciences Cross-Disciplinary Studies
  - Liberal Studies
  - Linguistics
  - Mathematics
  - Military Science
  - Military Studies
  - Music
  - Naval Science
  - Officer Education Programs
  - Philosophy and Religious Studies
  - Physics and Astronomy
  - Political Science
  - Psychology
- Sociology
- Software Engineering
- Speech Communication
- Statistics
- Technical Communication
- Theatre and Performing Arts
- Women's and Gender Studies
- World Languages and Cultures
- College of Veterinary Medicine
  - Biomedical Sciences
  - Veterinary Clinical Sciences
  - Veterinary Diagnostic and Production Animal Medicine
  - Veterinary Microbiology and Preventive Medicine
  - Veterinary Pathology
- Colleges and Curricula
- Distance Education
  - Certificates, Distance Education
  - Programs
- Entry Level Courses
- Graduate College
  - Biorenewable Chemicals
  - Graduate Studies
- Information About Courses
- Interdisciplinary Programs
  - Certificates
    - Community Leadership and Public Service
    - Latin American Studies
    - Occupational Safety
  - Interdisciplinary Graduate Programs
    - Bioinformatics and Computational Biology Graduate Program
    - Biorenewable Resources and Technology
    - Dietetics - Graduate Program
    - Ecology and Evolutionary Biology
    - Engineering Management
    - Genetics - Interdepartmental
    - Human Computer Interaction
    - Immunobiology
    - Information Assurance
    - Interdisciplinary Graduate Studies
    - Molecular, Cellular, and Developmental Biology
    - Neuroscience
    - Nutritional Sciences
    - Plant Biology
    - Seed Technology and Business
    - Toxicology
    - Transportation
  - Interdisciplinary Programs-Minor
    - Complex Adaptive Systems
    - Entrepreneurial Studies
    - Sustainability
    - Technology and Social Change
    - Wind Energy
- Undergraduate and Graduate Interdisciplinary Programs
  - Honors Program
  - Iowa Lakeside Laboratory
- Undergraduate Interdisciplinary Programs
  - Interdisciplinary Studies
  - Seed Science
  - University Studies
- Iowa State Faculty
- Library
- Plan of Study - Soar in 4

- Agriculture and Life Sciences, 4 Year Plans
- Business, Plan of Study
- Design, Plan of Study
- Engineering, Plan of Study
- Human Sciences, Plan of Study
- Liberal Arts and Sciences
- Previous Catalogs
- Registration
- Research and Extension
- Student Activities and Honor Societies
- Student Financial Aid
- Student Housing and Dining
- Student Services
- Tuition, Fees and Expenses