Undergraduate Majors and Pre-majors

The University of Iowa offers the following undergraduate majors, pre-majors, interest areas, and preparatory course work for selected degrees. Some majors offer Teacher Education Programs or the opportunity to earn a degree with teacher licensure, as indicated below. Each major links to the appropriate section of the 2015-16 General Catalog. Additional information about all majors is available on the Office of Admissions web site under Undergraduate Areas of Study.

Majors and Tracks

Accounting (B.B.A.)

Actuarial science (B.S.): see Statistics and Actuarial Science

African American studies (B.A.)

American studies (B.A.)

Ancient civilization (B.A.): see Classics

Ancient Mediterranean Religions

Egypt and the ancient Near East track

Anthropology (B.A., B.S.)

Anthropology for the health professions track (B.S.)

Cultural resource and heritage management specialization

Gender and culture specialization

Environmental anthropology specialization

Medical anthropology specialization

Teacher licensure

Applied physics (B.S.): see Physics and Astronomy

Art (B.A., B.F.A.): see Art and Art History

Ceramics concentration (B.F.A.)

Drawing concentration (B.F.A.)

Graphic design concentration (B.F.A.)

Intermedia concentration (B.F.A.)

Jewelry and metal arts concentration (B.F.A.)

Painting concentration (B.F.A.)

Photography concentration (B.F.A.)

Printmaking concentration (B.F.A.)

Sculpture concentration (B.F.A.)

Three-dimensional design concentration (B.F.A.)

Teacher licensure (B.A., B.F.A.)

Art history (B.A.): see Art and Art History

Teacher licensure

Asian languages and literature (B.A.): see Asian and Slavic Languages and Literatures

Chinese track

Hindi track

Japanese track

Sanskrit track

Teacher licensure

Astronomy (B.A., B.S.): see Physics and Astronomy

Athletic training (B.S.): see Health and Human Physiology

Bachelor of Applied Studies (B.A.S.)

Creative writing emphasis

Human relations emphasis

Justice studies emphasis

Political science emphasis

Bachelor of Liberal Studies (B.L.S.)

Global studies track

Health and human studies track

Organizational studies track

Biochemistry (B.A., B.S.)

Biology (B.A., B.S.)

Cell and developmental biology track

Comprehensive biology track

Evolutionary biology track

Genetics and biotechnology track

Neurobiology track

Plant biology track

Teacher licensure

Biomedical engineering (B.S.E.)

Bioinformatics/computational biology track

Bioimaging track

Biomaterials track

Cardiovascular biomechanics track

Cellular engineering track

Musculoskeletal biomechanics track

Pre-medicine track

Biomedical sciences (B.S.)

Business administration (B.B.A.): see Business

Business analytics and information systems (B.B.A.): see Management Sciences

Chemical engineering (B.S.E.): see Chemical and Biochemical Engineering

Biochemical engineering track

Business track

Chemical process engineering track

Entrepreneurship track

Energy and environmental engineering track

Pharmaceuticals track

Polymers track

Pre-medicine track

Sustainability track

Chemistry (B.A., B.S.)

Teacher licensure

Cinema (B.A.): see Cinematic Arts

Civil engineering (B.S.E.): see Civil and Environmental Engineering

Civil subtrack

Environmental subtrack

Civil practice track (civil or environmental)

Environmental engineering track (environmental)

Hydraulics and water resources track (civil or environmental)

Management track (civil or environmental)

Structures, mechanics, and materials track (civil or environmental)

Transportation engineering track (civil or environmental)

Urban and regional planning track (civil or environmental)

Classical languages (B.A.): see Classics

Teacher licensure

Communication studies (B.A.)

Comparative literature (B.A.): see Comparative Literature

Literature and arts track

World languages and literature track

Computer science (B.A., B.S.)

Dance (B.A., B.F.A.)
Undergraduate Majors and Pre-majors

Economics (B.A., B.B.A., B.S.)
Analytical track
Business track
Policy track
Electrical engineering (B.S.E.): see Electrical and Computer Engineering
Computer track
Electrical track
Elementary education (B.A., B.S.)
Teacher licensure
Engineering (B.S.E.)
English (B.A.)
Creative writing track
Teacher licensure
Enterprise leadership (B.A.)
Environmental policy and planning (B.A., B.S.)
Planning track
Policy track
Environmental sciences (B.A., B.S.)
Biosciences track (B.S.)
Chemical sciences track (B.S.)
Geosciences track (B.S.)
Hydrosciences track (B.S.)
Ethics and public policy (B.A.)
Economics specialization
Philosophy specialization
Political science specialization
Sociology specialization
Student-designed specialization
Finance (B.B.A.)
French (B.A.): See French and Italian
French and Arabic track
Language track
Literature and culture track
Teaching track
Gender, women's, and sexuality studies (B.A.)
Geography (B.A., B.S.): see Geographical and Sustainability Sciences
Environmental studies track
Geographic information science track
Health and society track
Teacher licensure
Geoscience (B.A., B.S.): see Earth and Environmental Sciences
German (B.A.)
Teacher licensure
Health and human physiology (B.A.)
Exercise science track
Health promotion track
Health studies track
History (B.A.)
Teacher licensure
Human physiology (B.S.): see Health and Human Physiology
Industrial engineering (B.S.E.): see Mechanical and Industrial Engineering
Computer and information systems track
Design and manufacturing track
Entrepreneurship track
Human factors and ergonomics track
Management track
Pre-medicine track
Wind energy track
Informatics (B.A., B.S.): see Computer Science
Art cognate (B.A.)
Bioinformatics cognate (B.S.)
Economics cognate (B.A.)
Geoinformatics cognate (B.A.)
Health informatics cognate (B.A.)
Human-computer interaction cognate (B.A.)
Linguistics cognate (B.A.)
Medical informatics cognate (B.S.)
Music cognate (B.A.)
Social informatics cognate (B.A.)
Individualized cognates (B.A., B.S.)
Interdepartmental studies (B.A.)
Applied human services track
Business studies track
Engaged social innovation track
Health science track
Individualized plan of study track
International relations (B.A., B.S.): see Political Science
Conflict and foreign policy track
International business and economic relations track
Regional politics and relationships track
Transnational issues track
Self-defined track
International studies (B.A.)
African studies track
Caribbean studies track
Development track
East Asian studies track
European studies track
Global artistic tradition and change track
Global health track
Global resources and the environment track
Human rights track
International business track
International communication and information track
Islamic and Middle Eastern studies track
Latin American studies track
Postcolonial and diasporic studies track
Russian, East European, and Eurasian studies track
South Asian studies track
Italian (B.A.): see French and Italian
Teacher licensure
Journalism and mass communication (B.A., B.S.)
Linguistics (B.A.)
Teaching English as a second language (TESL) emphasis
Management (B.B.A.): see Management and Organizations
Entrepreneurial management track
Human resource management track
Leadership and management track
Marketing (B.B.A.)
Mathematics (B.A., B.S.)
General track (Program A)
Math education track (Program B)
Specialization areas track (Program C)
Teacher licensure
Mechanical engineering (B.S.E.): see Mechanical and Industrial Engineering
Energy and environment track
Manufacturing and materials processing track
Mechanical engineering design track
Medical Laboratory Science (B.S.)
Microbiology (B.S.)
Music (B.A., B.M.)
Brass/woodwind track (B.M.)
Composition track (B.M.)
Jazz studies track (B.M.)
Music therapy track (B.M.)
Organ track (B.M.)
Percussion track (B.M.)
Piano track (B.M.)
String track (B.M.)
Voice track (B.M.)
Teacher licensure
Nuclear medicine technology (B.S.)
Nursing (B.S.N.)
Articulation option TCV
Articulation option EVC
Pharmacy (Pharm.D.)
Philosophy (B.A.)
Physics (B.A., B.S.): see Physics and Astronomy
Teacher licensure
Political science (B.A., B.S.)
Teacher licensure
Portuguese (B.A.): see Spanish and Portuguese
Teacher licensure
Psychology (B.A., B.S.): see Psychological and Brain Sciences
Teacher licensure
Radiation sciences (B.S.)
Diagnostic medical sonography and cardiac and vascular sonography track
Diagnostic medical sonography and general and vascular sonography track
Radiation therapy and computed tomography track
Radiologic technology and cardiovascular interventional track
Radiologic technology and computed tomography track
Radiologic technology and magnetic resonance imaging track
RT to B.S.
Religious studies (B.A.)
Russian (B.A.): see Asian and Slavic Languages and Literatures
Teacher licensure
Science education (B.S.)
All-science emphasis
Biology emphasis
Chemistry emphasis
Earth science emphasis
Physics emphasis
Teacher licensure
Social work (B.A.)
Sociology (B.A., B.S.)
Criminology track
Spanish (B.A.): see Spanish and Portuguese
Teacher licensure
Speech and hearing science (B.A.): see Communication Sciences and Disorders
Sport studies (B.A.): see American Studies
Sport and recreation management (B.S.): see Health and Human Physiology
Business studies concentration
Coaching and sport instruction concentration
Communications public relations/journalism concentration
Entrepreneurship concentration
Event management concentration
Sport and diversity concentration
Student-designed concentration
Statistics (B.S.): see Statistics and Actuarial Science
Mathematical statistics track
Statistical computing and data science track
Statistics in business, industry, government, and research track
Theatre arts (B.A.)
Therapeutic Recreation (B.S.): see Health and Human Physiology
Child life track
Inclusive recreation track

Pre-majors, Interest Areas, and Preparatory Course Work

For information about the following pre-majors, interest areas, and preparatory course work for selected degrees, see the Office of Admissions web site Undergraduate Areas of Study.

Actuarial science interest
Athletic training interest
Biomedical sciences interest
Dance interest
Elementary education interest
Medical laboratory science interest
Music interest
Nuclear medicine technology interest
Nursing interest
Pharmacy interest (preparatory course work for the Pharm.D.)
Pre-business (preparatory course work for the B.B.A.)
Pre-chiropractic
Pre-dentistry (preparatory course work for the D.D.S.)
Pre-law (preparatory course work for the J.D.)
Pre-medicine (preparatory course work for the M.D.)
Pre-mortuary science
Pre-occupational therapy
Pre-optometry
Pre-physical therapy (preparatory course work for the D.P.T.)
Pre-physician assistant (preparatory course work for the M.P.A.S.)
Pre-podiatry
Pre-R.N.-B.S.N. nursing
Pre-veterinary medicine
Radiation sciences interest
Social work interest
Therapeutic recreation child life interest
Therapeutic recreation inclusive recreation interest