

University of Oklahoma Career Fields, Clusters & Majors



UNIVERSITY COLLEGE
MAJOR AND CAREER EXPLORATION
The UNIVERSITY of OKLAHOMA

■ MARKETING

- > Marketing
- > Advertising
- > Public Relations
- > Information Studies
- > Communications

■ BUSINESS, MANAGEMENT, AND ADMINISTRATION

- > General Management
- > Sports Management
- > International Business
- > Human Relations
- > Management Information Systems
- > Aviation Management-Non-Flying
- > Economics (BA)
- > Supply Chain Management

■ HOSPITALITY AND TOURISM

- > Planned Program-Social Sciences and Organizational Studies
- > Public and Nonprofit Administration
- > Air Traffic Management
- > Aviation Management
- > Aviation-Professional Pilot

■ FINANCE

- > Accounting
- > Finance
- > Risk Management
- > Economics (BBA)

■ AGRICULTURE, FOOD, AND NATURAL RESOURCES

- > Environmental Sustainability
- > Environmental Studies
- > Environmental Engineering
- > Environmental Science
- > Biology
- > Chemistry
- > Microbiology
- > Plant Biology
- > Paleontology

■ ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS

- > Architecture
- > Interior Design
- > English-Literary & Cultural Studies
- > English-Writing
- > Film & Media Studies
- > Art
- > Art History
- > Art-Studio Art
- > Ballet Pedagogy
- > Ballet Performance
- > Modern Dance Performance
- > Music, BA
- > Music, BMA
- > Music Theatre
- > Theatre-Acting, Design
- > Dramaturgy, Science
- > Technology, and Stage Management
- > Creative Media Production
- > Public Relations
- > Art, Technology & Culture

■ INFORMATION TECHNOLOGY

- > Art-Visual Communications
- > Information Studies
- > Planned Program-Social Sciences & Organizational Studies

■ MARKETING

- > Communications
- > Human Relations
- > Marketing
- > Advertising
- > Sports Management
- > Public Relations

FOUNDATION KNOWLEDGE & SKILLS

Problem Solving • Critical Thinking
Employability • Citizenship • Ethics
Career Development • Integrity • Teamwork
Legal Responsibilities • Academic Foundation
Technology Application • Communications
Safety • Health & Environment • Leadership
Technical Literacy • Cultural Competence
Lifelong Learning • Financial Well-Being
Organizational & Global Systems
Creativity • Innovation

■ LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

- > Anthropology
- > Classics-Classical Languages
- > Classical Studies, Latin
- > Ethics & Religion
- > History
- > Letters
- > Letters, Constitutional Studies
- > Political Science
- > Philosophy
- > Sociology-Criminology
- > International Security Studies

■ GOVERNMENT AND PUBLIC ADMINISTRATION

- > Political Science
- > Political Science- Elections & Campaign Management
- > Public & Nonprofit Administration
- > Environmental Sustainability-Culture and Society
- > Geography-Geohumanities
- > Geography-Physical & Social Sciences
- > Economics (BBA)
- > International Business
- > Global Energy, Environmental
- > International Development
- > International Studies

■ HUMAN SERVICES

- > African & African American Studies
- > Economics (BA)
- > Environmental Studies
- > History of Science, Tech, & Medicine
- > Human Relations
- > Linguistics
- > Religious Studies
- > Social Work
- > Sociology
- > Women & Gender Studies

■ EDUCATION AND TRAINING

- > Early Childhood Education
- > Elementary Education
- > Language Arts Education
- > Mathematics Education
- > Science Education-Biological Sciences, Chemistry, Earth Science, Physics
- > Social Science Education
- > Special Education
- > World Language Education
- > Ballet Pedagogy
- > Piano Pedagogy
- > Music Ed-Instrumental, Vocal

CAREER FIELD
Human Services

■ HEALTH SCIENCE

- > Communication Science & Disorders
- > Chiropractic
- > Dental Hygiene
- > Dentistry
- > Medical Imaging & Radiation Sciences
- > Pre-Medicine
- > Nursing
- > Optometry
- > Pharmacy
- > Physical Therapy
- > Occupational Therapy
- > Physician's Associate

CAREER FIELD
Health Science Technology

CAREER FIELD
Engineering, Science, Math, & Technology

■ SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

- > Astronomy
- > Astrophysics
- > Biochemistry
- > Biology
- > Chemical Biosciences
- > Chemistry
- > Health & Exercise Science
- > Mathematics
- > Mathematics-Biostatistics
- > Microbiology
- > Microbiology-Biotechnology
- > Physics
- > Environmental Sustainability-Science & Natural Resources
- > Meteorology
- > Geology
- > Geology-Petroleum Geology
- > Geophysics
- > Petroleum Engineering
- > Biomedical Engineering
- > Chemical Engineering
- > Electrical Engineering
- > Mechanical Engineering
- > Computer Engineering
- > Computer Science
- > Engineering Physics
- > Industrial & Systems Engineering
- > Mechanical Engineering

■ TRANSPORTATION, DISTRIBUTION, AND LOGISTICS

- > Aerospace Engineering
- > Civil Engineering
- > Electrical Engineering
- > Industrial Engineering
- > Industrial & Systems Engineering
- > Mechanical Engineering
- > Environmental Sustainability-Planning & Management
- > Geographic Info Systems
- > Geography
- > Management Information Systems

■ ARCHITECTURE AND CONSTRUCTION

- > Architecture
- > Architectural Engineering
- > Construction Science
- > Environmental Design
- > Interior Design

■ MANUFACTURING

- > Supply Chain Management
- > Environmental Sustainability
- > Industrial & Systems Engineering
- > Chemical Engineering
- > Mechanical Engineering

Learn about OU Programs of Study

<http://www.ou.edu/admissions/academics/find-your-major>

Meet with a Major Exploration Coach

<http://www.ou.edu/univcoll/about/majors>

Legend:

■ = Career Cluster

> = Academic Major

Explanation provided on reverse side



UNIVERSITY COLLEGE

MAJOR AND CAREER EXPLORATION

The UNIVERSITY of OKLAHOMA

The University of Oklahoma Career Fields, Clusters & Pathways chart, on the reverse side, graphically depicts the organizing framework of the foundation knowledge and skills, career fields, career clusters, and career pathways that the university will use for explaining the ways in which degree offerings connect to careers available.

The Center for Major Exploration serves as the University's central unit in helping students gain academic clarity about their major and/or initial career options. We help students set realistic goals and directions, help reduce time to graduation, enhance clarity and purpose in student's studies, and help them discover foundational self-knowledge and skills to navigate college and careers. The experience helps students define their direction and helps them prepare to transfer out of UC and to be successful in their major. We assist students in discovering majors that will allow them to receive the best possible educational experience in relation to their interests, skills, personalities, and situations. We utilize the excellence in teaching by encouraging our students to seek out new subjects and outstanding professors in order to expand their possibilities and explore new topics. We strive for excellence in teaching in our own courses as well. We encourage growth opportunities and career preparation through the promotion of undergraduate research, social engagement, and leadership opportunities.

FOUNDATION KNOWLEDGE & SKILLS

Foundation Knowledge and Skills, located in the centermost circle of the Major and Career Exploration Fields, Clusters & Pathways chart, represent the base from which to build work.

CAREER PATHWAYS (Majors)

Career Pathways, which are identified by the symbol (>) under each cluster heading, represent an organization of related occupational areas within a specific career cluster. Each of these pathways has identified knowledge and skills validated by industry from which programs and programs of study are developed.

CAREER CLUSTERS

Career Clusters, which are identified in the bold, black bullets ■, represent a grouping of occupations and broad industries into a national classification of 16 clusters that are based upon common knowledge and skills. Career clusters include hundreds of occupations that may be grouped into pathways around which educational programs of study can be built.

- Agriculture, Food, and Natural Resources
- Hospitality and Tourism
- Architecture and Construction
- Human Services
- Arts, Audio/Video Technology and Communications
- Information Technology
- Business, Management, and Administration
- Law, Public Safety, Corrections, and Security
- Education and Training
- Manufacturing
- Finance
- Marketing
- Government and Public Administration
- Science, Technology, Engineering, and Mathematics
- Health Science
- Transportation, Distribution, Logistics

CAREER FIELDS

Career Fields, which are identified in the segmented ring around Foundation Knowledge and Skills, are the organizing structure for the 16 career clusters and 79 pathways. The fields represent the broadest aggregation of careers. Students can be exposed to career field exploration as early as middle school and early high school. Career fields have been identified as:

Agriculture, Food, & Natural Resources
Arts, Communications, & Information Systems
Engineering, Manufacturing, & Technology
Health Science Technology
Human Services
Business, Management, & Administration