Majors, Degrees, and Certificate Programs

2023–2024
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Below is a list of all graduate degree programs offered at the University of Tennessee, Knoxville. A degree or certificate is awarded upon completion of a specified program of study in a major field. Degree titles are posted on transcripts and diplomas. Titles of majors are posted on transcripts. A formally approved subcomponent of a degree program is a concentration. The current Graduate School Catalog may be viewed online at tiny.utk.edu/grad-catalog.

Herbert College of Agriculture

### Agricultural Leadership, Education and Communications

**Agricultural Leadership, Education and Communications MS**
- Agricultural Communications, Agricultural Education, Agricultural Leadership

### Agricultural and Resource Economics

**Agricultural and Resource Economics MS**
- Agricultural Economics, Natural Resource Economics

**Agricultural and Resource Economics MS-MBA**

### Animal Science

**Animal Science MS**

**Animal Science PhD**

**Animal Science/Veterinary Medicine MS-DVM**

### Biosystems Engineering and Soil Science

**Biosystems Engineering MS**

**Biosystems Engineering Technology MS**

**Biosystems Engineering PhD**
- Energy Science and Engineering

**Environmental and Soil Sciences MS**

### Entomology and Plant Pathology

**Entomology and Plant Pathology MS**
- Bioinformatics and Genomics, Entomology, Plant Pathology

**Entomology, Plant Pathology and Nematology PhD**
- Bioinformatics, Genomics and Molecular Interactions; Organismal Biology, Ecology and Systematics; Sustainable Disease and Integrated Pest Management

### Food Science

**Food Science MS**

**Food Science PhD**
School of Natural Resources

Forestry MS
- Bio-based Products and Wood Science and Technology, Forest Business

Natural Resources PhD
- Bio-based Products and Wood Science and Technology, Natural Resource Economics, Wildlife Health

Plant Sciences

Plant Sciences MS
- Crop Sciences, Horticulture, Plant Breeding, Plant Molecular Genetics, Weed Science

Interdepartmental

Plant, Soil, and Environmental Sciences PhD
- Crop Sciences, Environmental and Soil Sciences, Horticulture, Plant Breeding, Plant Molecular Genetics, Weed Science

College of Architecture & Design

School of Architecture

Architecture MArch
- Computational Design and Fabrication, Conservation and Stewardship, Sustainable Design, Urbanism

School of Landscape Architecture

Landscape Architecture MLA
Landscape Architecture MSLA
Landscape Architecture MALA
Landscape Architecture/Architecture MLA-MArch

College of Arts & Sciences

Africana Studies

Graduate Certificate in Africana Studies

Anthropology

Anthropology MA
- Archaeology, Biological Anthropology, Cultural Anthropology, Mediterranean Archaeology

Anthropology PhD
- Archaeology, Biological Anthropology, Cultural Anthropology

Graduate Certificate in Disasters, Displacement and Human Rights

School of Art

Art MFA
- Ceramics, Painting/Drawing, Printmaking, Sculpture, Time-Based Art

Graduate Certificate in Cinema Studies
## Biochemistry & Cellular and Molecular Biology

- **Biochemistry & Cellular and Molecular Biology MS**
- **Biochemistry & Cellular and Molecular Biology PhD**

## Chemistry

### Chemistry MS

### Chemistry PhD

## Geography and Sustainability

### Geography and Sustainability

- **Geography MS**
- **Geography PhD**

## Earth and Planetary Sciences

### Geology MS

### Geology PhD

## Ecology and Evolutionary Biology

### Ecology and Evolutionary Biology MS
- Behavior, Ecology, Evolutionary Biology

### Ecology and Evolutionary Biology PhD
- Behavior, Ecology, Energy Science and Engineering, Evolutionary Biology

## English

### English MA
- Literature, Criticism & Textual Studies; Rhetoric, Writing & Linguistics

### Creative Writing MFA

### English PhD
- Creative Writing; Literature, Criticism & Textual Studies; Rhetoric, Writing & Linguistics

### Graduate Certificate in Digital Humanities

## History

### History MA

### History PhD
- American History, European History

## Mathematics

### Mathematics MMath

### Mathematics MS

### Mathematics PhD
- Mathematical Biology

### Graduate Certificate in Mathematics

## Microbiology

### Microbiology MS

### Microbiology PhD

### Graduate Certificate in Cell Biology Imaging and Quantification

### Graduate Certificate in Bio-Mathematical and Statistical Analysis

### Graduate Certificate in Biomolecular Analysis

### Graduate Certificate in Field Biology Analytical Techniques
World Languages and Cultures

French MA
German MA
Spanish MA
  • Applied Linguistics and Second Language Studies, Literary and Cultural Studies
Modern Foreign Languages PhD
  • First Concentration: French, German, Spanish
  • Second Concentration: Applied Linguistics, French, German, Italian, Latin American Studies, Portuguese, Russian, Spanish

Graduate Certificate in Translation Studies

Philosophy

Philosophy MA
Philosophy PhD
Philosophy/Law MA-JD

Physics and Astronomy

Physics MS
  • Astrophysics; Atomic, Molecular, Optical, and Low Temperature Physics; Biophysics; Chemical Physics; Condensed Matter and Surface Physics; Elementary Particle Physics; Geophysics; Mathematical and Computational Physics; Nuclear and Relativistic Heavy Ion Physics; Theoretical Physics
Physics PhD
  • Astrophysics; Atomic, Molecular, Optical, and Low Temperature Physics; Biophysics; Chemical Physics; Condensed Matter and Surface Physics; Elementary Particle Physics; Energy Science and Engineering; Mathematical and Computational Physics; Nanomaterials; Nuclear and Relativistic Heavy Ion Physics; Theoretical Physics

Political Science

Political Science MA
Political Science PhD
Graduate Certificate in Global Security Studies

Psychology

Psychology MA
  • Experimental Psychology, General Psychology
Psychology PhD
  • Clinical Psychology, Counseling Psychology, Experimental Psychology

Religious Studies

Graduate Certificate in Religious Studies

Sociology

Sociology MA
  • Applied Sociology, Criminology, Critical Race and Ethnic Studies, Environmental Sociology, Political Economy and Globalization
Sociology PhD
  • Criminology, Critical Race and Ethnic Studies, Environmental Sociology, Political Economy and Globalization

Graduate Certificate in Global Studies

Theatre

Theatre MFA
  • Acting, Costume Design, Lighting Design, Scene Design, Sound and Digital Media

Interdisciplinary Programs

Graduate Certificate in Linguistics
Graduate Certificate in Medieval Studies
Graduate Certificate in Social Theory
Graduate Certificate in Women, Gender and Sexuality
Haslam College of Business

**Accounting & Information Management**

**Accounting MAcc**
- Audit and Controls, Information Management, Taxation

**Business Cybersecurity MS**

**Business Analytics and Statistics**

**Business Analytics MS**

**Business Analytics MS-MBA**

**Management Science PhD**
- Analytics

**Statistics MS**
- Intercollegiate Graduate Statistics and Data Science

**Economics**

**Economics MA**

**Economics PhD**

**Management and Entrepreneurship**

**Management and Human Resources MS**

**Management and Human Resources MBA**
- Consulting

**Marketing**

**Marketing MS**

**Business Administration PhD**
- Marketing

**Supply Chain Management**

**Business Administration MBA**
- Supply Chain Management

**Supply Chain Management MS**
- Integrated Supply Chain, Tri-Continent Supply Chain

**Business Administration PhD**
- Supply Chain Management

**Graduate Certificate in Supply Chain Management**

**Interdepartmental**

**Business Administration MBA**
- Business Analytics, Entrepreneurship and Innovation, Finance, Online MBA

**MBA Programs for Working Professionals**

**Business Administration MBA**
- Aerospace and Defense, Physician Executive, Professional, Executive

**Business Administration MBA-JD**

**Business Administration MBA-MS**
- available with Herbert College of Agriculture and Tickle College of Engineering

**Business Administration MBA-PharmD**
- available with UT Health Science Center

**Business Administration PhD**
- Accounting; Finance; Strategy, Entrepreneurship and Organizations; Statistics
College of Communication & Information

Interdepartmental

Communication and Information MS
- Advertising, Public Relations, Advertising and Public Relations 4+1, Communication Studies, Journalism and Electronic Media, Strategic and Digital Communication

Communication and Information PhD
- Advertising, Public Relations, Communication Studies, Journalism and Electronic Media, Information Science

School of Information Sciences

Information Sciences MS
Graduate Certificate in School Librarianship
Graduate Certificate in Research Data Management
Graduate Certificate in Youth Informatics

College of Education, Health & Human Sciences

Child and Family Studies

Child and Family Studies MS
- General-Emphasis, Early Childhood Education Integrated PreK-3

Child and Family Studies PhD

Graduate Certificate in International Children, Youth, and Families

Educational Leadership & Policy Studies

College Student Personnel MS

Education MS
- Evaluation Methodology

Educational Administration MS
- Higher Education Administration (specializations: Leadership Academy or Online Leadership Studies)

Education EdS
- Educational Administration (specializations: Leadership Academy or Online Leadership Studies)

Education PhD
- Adult and Continuing Education, Leadership Studies in Education

Educational Leadership EdD

Evaluation, Statistics, and Methodology PhD

Higher Education Administration PhD

Graduate Certificate in Instructional Leadership

Graduate Certificate in Evaluation, Statistics, and Methodology

Graduate Certificate in Qualitative Research Methods in Education
Kinesiology, Recreation, and Sport Studies

Kinesiology MS
- Biomechanics, Exercise Physiology, Sport Psychology and Motor Behavior

Kinesiology and Sport Studies PhD
- Kinesiology, Sport Studies

Recreation and Sport Management MS
- Sport Management, Therapeutic Recreation

Counseling MS
- Clinical Mental Health Counseling, School Counseling

Counselor Education PhD

Education EdS
- School Psychology

Education PhD
- Learning Environments and Educational Studies

Educational Psychology MS
- Adult Education, Applied Educational Psychology

Educational Psychology and Research PhD
- Applied Educational Psychology

School Psychology PhD

Graduate Certificate in Adult Learning in Professional Settings

Graduate Certificate in Grief, Loss, and Trauma

Kinesiology, Recreation, and Sport Studies

Nutrition

Nutrition MS
- Biomedical Nutrition Science, Clinical Nutrition and Dietetics, Community Nutrition, Public Health Nutrition

Nutrition/Public Health MS-MPH

Nutritional Sciences PhD
- Biomedical Nutrition Science, Implementation Science in Community Nutrition

Public Health

Public Health MPH
- Community Health Education, Epidemiology, Health Policy and Management, Public Health Nutrition, Veterinary Public Health

Public Health/Veterinary Medicine MPH-DVM

Public Health/Nutrition MPH-MS

Public Health Sciences PhD

Graduate Certificate in Food Safety

Public Health Sciences PhD

Retail, Hospitality, and Tourism Management

Retail, Hospitality, and Tourism Management PhD

Theory and Practice in Teacher Education

Education MS
- Instructional Technology

Education PhD
- Learning, Design, and Technology; Literacy Studies; Special Education, Deaf Education, and Interpreter Education; Teacher Education

Teacher Education MS
- Applied Behavior Analysis, Educational Studies, Practitioner
- For Professional Internship Initial Licensure: Art Education Professional Internship, ASL Education Professional Internship, Deaf Education Professional Internship, Elementary Education Professional Internship, English Education and English as a Second Language Professional Internship, Mathematics Education Professional Internship, Science Education Professional Internship, Social Sciences Education Professional Internship, Special Education
Professional Internship, World Languages Education Professional Internship

**Teacher Education EdS**

**Graduate Certificate in Art Education (K-12)**

**Graduate Certificate in American Sign Language Education**

**Graduate Certificate in Deaf Education (PreK-12)**

**Graduate Certificate in Educational Data Science**

**Graduate Certificate in Educational Technology**

**Graduate Certificate in Elementary Education**

**Graduate Certificate in English as a Second Language (PreK-12)**

**Graduate Certificate in Literacy Specialist**

**Graduate Certificate in Online Teaching and Learning**

**Graduate Certificate in Secondary English Education**

**Graduate Certificate in Secondary Mathematics Education**

**Graduate Certificate in Secondary Science Education**

**Graduate Certificate in Secondary Social Science Education**

**Graduate Certificate in Social Justice Education**

**Graduate Certificate in Special Education Comprehensive K-12**

**Graduate Certificate in Special Education Interventionist K-8 & 6-12**

**Graduate Certificate in STEM Leadership**

**Graduate Certificate in World Languages (PreK-12)**

**Graduate Certificate in Writing for Children and Teens**
Tickle College of Engineering

Chemical and Biomolecular Engineering

Chemical Engineering MS
Chemical Engineering MS-MBA
Chemical Engineering PhD
  • Energy Science and Engineering

Civil and Environmental Engineering

Civil Engineering MS
  • Construction Engineering, Geotechnical/Materials Engineering, Public Works Engineering, Structural Engineering, Transportation and Infrastructure Engineering, Transportation Engineering

Civil Engineering MS-MBA

Civil Engineering PhD

Environmental Engineering MS
  • Water Resources Engineering

Environmental Engineering MS-MBA

Electrical Engineering and Computer Science

Computer Engineering MS

Computer Engineering MS-MBA

Computer Engineering PhD
  • Energy Science and Engineering

Computer Science MS
  • Cybersecurity, Data Analytics, Data Mining and Intelligent Systems, Intelligent Systems and Machine Learning, Software Engineering

Computer Science MS-MBA

Computer Science PhD
  • Data Analytics, Energy Science and Engineering, Intelligent Systems and Machine Learning

Electrical Engineering MS
  • Power Electronics

Electrical Engineering MS-MBA

Electrical Engineering PhD
  • Energy Science and Engineering, Power Electronics

Graduate Certificate in Artificial Intelligence and Machine Learning

Graduate Certificate in Fire Protection Engineering

Graduate Certificate in Power & Energy Systems

Graduate Certificate in Wide Bandgap Power Electronics

Engineering Fundamentals

Graduate Certificate in Fundamentals of Engineering & Computer Teaching in Higher Education

Industrial and Systems Engineering

Engineering Management MS

Industrial Engineering MS
  • Automotive Manufacturing, Systems Engineering

Industrial Engineering PhD
  • Energy Science and Engineering, Engineering Management

Industrial Engineering MS-MBA

Graduate Certificate in Data-Driven Decision-Making

Graduate Certificate in Engineering Management
### Materials Science and Engineering

**Materials Science and Engineering MS**
- Automotive Materials, Nanomaterials

**Materials Science and Engineering MS-MBA**

**Materials Science and Engineering PhD**
- Automotive Materials, Energy Science and Engineering, Nanomaterials

### Mechanical, Aerospace and Biomedical Engineering

**Aerospace Engineering MS**
- Applied Mechanics, Nuclear Space Science and Engineering, Systems and Controls, Thermal-Fluid Mechanics

**Aerospace Engineering MS-MBA**

**Aerospace Engineering PhD**

**Biomedical Engineering MS**
- Biomechanics, Materials, Nuclear Space Science and Engineering, Robotics, Theranostics

**Biomedical Engineering MS-MBA**

**Biomedical Engineering PhD**

**Mechanical Engineering MS**

**Mechanical Engineering MS-MBA**

**Mechanical Engineering PhD**

### Nuclear Engineering

**Medical Physics MS**

**Nuclear Engineering MS**
- Nuclear Safety, Radiological Engineering

**Nuclear Engineering MS-MBA**

**Nuclear Engineering PhD**
- Energy Science and Engineering, Nuclear Safety, Radiological Engineering

**Graduate Certificate in Medical Physics**

**Graduate Certificate in Nuclear Security Science and Analysis**

### Interdepartmental

**Engineering Science MS**
- Aerospace Engineering, Biomedical Engineering, Civil Engineering, Environmental Engineering, Mechanical Engineering

**Engineering Science MS-MBA**

**Engineering Science PhD**
- Aerospace Engineering, Biomedical Engineering, Civil Engineering, Energy Science and Engineering, Environmental Engineering, Mechanical Engineering

**Reliability and Maintainability Engineering MS**
- Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Computer Engineering, Electrical Engineering, Industrial Engineering, Materials Science and Engineering, Mechanical Engineering, Nuclear Engineering

**Reliability and Maintainability Engineering MS-MBA**

**Graduate Certificate in Reliability and Maintainability Engineering: Chemical Engineering**

**Graduate Certificate in Reliability and Maintainability Engineering: Computer Engineering**

**Graduate Certificate in Reliability and Maintainability Engineering: Electrical Engineering**

**Graduate Certificate in Reliability and Maintainability Engineering: Industrial Engineering**

**Graduate Certificate in Reliability and Maintainability Engineering: Mechanical Engineering**

**Graduate Certificate in Reliability and Maintainability Engineering: Nuclear Engineering**
College of Law

Law MLSD

Law JD
• Advocacy and Dispute Resolution, Business Transactions

Law/Philosophy JD-MA

Law/Business Administration JD-MBA

Law/Public Policy and Administration JD-MPPA

Law/Social Work JD-MSSW

Law/Social Work MLSD-MSSW

Graduate Certificate in Law and Social Welfare

Graduate Certificate in Legal Studies

College of Music

Music MMus
• Choral Conducting, Collaborative Piano, Composition, Instrumental Conducting, Jazz, Music Education, Music Theory, Musicology, Performance (Organ, Percussion, Piano, Strings, Voice or Winds)

Artist Certificate in Brass Performance

Artist Certificate in Keyboard Performance

Artist Certificate in String Performance

Artist Certificate in Percussion Performance

Artist Certificate in Voice Performance

Artist Certificate in Woodwind Performance

Graduate Certificate in Music Theory Pedagogy

College of Nursing

Nursing DNP
• Family Nurse Practitioner, Nurse Anesthesia, Nurse Executive Practice, Pediatric Primary Care Nurse Practitioner, Pediatric Primary/Acute Care Dual Nurse Practitioner, Psychiatric Mental Health Nurse Practitioner

Nursing PhD

Graduate Certificate in Family Nurse Practitioner

Graduate Certificate in Health Policy

Graduate Certificate in Healthcare Informatics

Graduate Certificate in Nurse Executive Practice

Graduate Certificate in Nursing Education

Graduate Certificate in Pediatric Acute Care Nurse Practitioner

Graduate Certificate in Pediatric Nurse Practitioner

Graduate Certificate in Psychiatric Mental Health Nurse Practitioner

Graduate Certificate in Law and Social Welfare

Graduate Certificate in Legal Studies
College of Social Work

Social Work MSSW
  • Clinical Practice, Organizational Leadership
Social Work/Law MSSW-MLSD
Social Work/Law MSSW-JD
Social Work DSW
Social Work PhD

Graduate Certificate in Forensic Social Work
Graduate Certificate in Gerontology
Graduate Certificate in Trauma Treatment
Graduate Certificate in Veterinary Social Work

College of Veterinary Medicine

Veterinary Medicine DVM
Veterinary Medicine/Animal Science DVM-MS
Veterinary Medicine/Comparative and Experimental Medicine DVM-MS
Veterinary Medicine/Public Health DVM-MPH
Veterinary Medicine/Comparative and Experimental Medicine DVM-PhD

Howard H. Baker School of Public Policy and Public Affairs

Public Policy and Administration MPPA
Public Policy and Administration MPPA-JD

Intercollegiate Programs

Comparative and Experimental Medicine

Comparative and Experimental Medicine MS
  • Forensic Odontology
Comparative and Experimental Medicine PhD
Comparative and Experimental Medicine/Veterinary Medicine MS-DVM
Comparative and Experimental Medicine/Veterinary Medicine PhD-DVM

Bredesen Center for Interdisciplinary Research and Graduate Education

Data Science and Engineering PhD
Energy Science and Engineering PhD
Life Sciences MS
  • Genome Science and Technology, Plant Physiology and Genetics
Life Sciences PhD
  • Genome Science and Technology, Plant Physiology and Genetics
Get More Information
The University of Tennessee would like to hear from you with any questions you may have about our degree programs and graduate certificates.

Graduate School
111 Student Services Building, Knoxville, TN 37996-0211
865-974-2475 • gradschool@utk.edu

Graduate Catalog
The Graduate Catalog is the definitive guide to course offerings, degree and certificate requirements, academic policies, and much more. You can get to the most recent version of the Graduate Catalog at tiny.utk.edu/grad-catalog.

Directors of Graduate Studies
Degree and certificate programs at UT have Directors of Graduate Studies who can help you find out more specific information about your desired program. You can get a list of all Directors of Graduate Studies and their contact information at tiny.utk.edu/dgs-roster.

All qualified applicants will receive equal consideration for employment and admission without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, genetic information, veteran status, and parental status. In accordance with the requirements of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990, the University of Tennessee affirmatively states that it does not discriminate on the basis of race, sex, or disability in its education programs and activities, and this policy extends to employment by the university. Inquiries and charges of violation of Title VI (race, color, and national origin), Title IX (sex), Section 504 (disability), the ADA (disability), the Age Discrimination in Employment Act (age), sexual orientation, or veteran status should be directed to the Office of Equity and Diversity, 1840 Melrose Avenue, Knoxville, TN 37996-3560, telephone 865-974-2498. Requests for accommodation of a disability should be directed to the ADA Coordinator at the Office of Equity and Diversity.