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.

College of Agricultural Sciences and Natural Resources

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 MS-DVM

Biosystems Engineering and Soil Science

Biosystems Engineering MS
Biosystems Engineering PhD
- Energy Science and Engineering

Biosystems Engineering Technology MS

Environmental and Soil Science MS

Entomology and Plant Pathology

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

Entomology, Plant Pathology and Nematology PhD
- Bioinformatics, Genomics & Molecular Interactions
- Organismal Biology, Ecology & Systematics
- Sustainable Disease & Integrated Pest Management
### Food Science

**Food Science MS**

**Food Science PhD**
- Food Chemistry
- Food Microbiology
- Food Processing
- Sensory Science

### Plant Sciences

**Plant Sciences MS**

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

### Forestry, Wildlife and Fisheries

**Forestry MS**
- Bio-based Products & Wood Science & Technology

**Natural Resources PhD**
- Bio-based Products & Wood Science & Technology
- Natural Resource Economics
- Wildlife Health

**Wildlife and Fisheries Science MS**
- Wildlife Health

### Interdepartmental

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

### College of Architecture and Design

### School of Landscape Architecture

**Landscape Architecture MLA**

**Landscape Architecture MLA-MArch**

**Landscape Architecture MALA**

**Landscape Architecture MSLA**

### School of Architecture

**Architecture MArch-MLA**

**Architecture MArch**
- Conservation and Stewardship
- High Performance Buildings
- Urbanism
- Sustainable Design

**Graduate Certificates**
- Conservation and Stewardship
- High Performance Buildings
- Urbanism
- Sustainable Design
College of Arts and Sciences

Anthropology

Anthropology MA
- Archaeology
- Biological Anthropology
- Cultural Anthropology
- Mediterranean Archaeology
- Zooarchaeology

Anthropology PhD
- Archaeology
- Biological Anthropology
- Cultural Anthropology
- Zooarchaeology

Graduate Certificate in Disasters, Displacement and Human Rights

School of Art

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

Biochemistry & Cellular and Molecular Biology

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

Chemistry

Chemistry MS
- Analytical Chemistry
- Environmental Chemistry
- Inorganic Chemistry
- Organic Chemistry
- Physical Chemistry
- Polymer Chemistry

Chemistry PhD
- Analytical Chemistry
- Chemical Physics
- Environmental Chemistry
- Inorganic Chemistry
- Organic Chemistry
- Physical Chemistry
- Polymer Chemistry
- Theoretical Chemistry

Graduate Certificate in Radiochemistry

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, and Textual Studies
- Rhetoric, Writing, and Linguistics
- Writing

Creative Writing MFA

English PhD
- Creative Writing
- Literature, Criticism, and Textual Studies
- Rhetoric, Writing, and Linguistics

Geography

Geography MS

Geography PhD

History

History MA

History PhD
- American History
- European History

Mathematics

Mathematics MMath

Mathematics MS
- Optional Concentration: Applied Mathematics

Mathematics PhD
- Optional Concentration: Mathematical Ecology/Evolution

Microbiology

Microbiology MS

Microbiology PhD

Modern Foreign Languages and Literatures

French MA

German MA

Spanish MA

Modern Foreign Languages PhD
- First Concentration: French, German, Spanish
- Second Concentration: Applied Linguistics, French, German, Italian, Latin American Studies, Portuguese, Russian, Spanish
School of Music

Music MMus

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

Graduate Certificates

• Artist Certificate in Music
• Music Theory Pedagogy

Philosophy

Philosophy MA

Philosophy MA-JD

Philosophy PhD

Physics and Astronomy

Physics MS

• 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

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

Public Policy and Administration MPPA

Public Policy and Administration MPPA-JD

Psychology

Psychology MA

• Experimental Psychology
• General Psychology

Psychology PhD

• Clinical Psychology
• Counseling Psychology
• Experimental Psychology
Sociology

Sociology MA
- Criminology
- Critical Race and Ethnic Studies
- Environmental Sociology
- Political Economy

Sociology PhD
- Criminology
- Critical Race and Ethnic Studies
- Environmental Sociology
- Political Economy

Theatre

Theatre MFA
- Acting
- Costume Design
- Lighting Design
- Scene Design

Haslam College of Business

Interdepartmental/Intercollegiate

Life Sciences MS
- Genome Science and Technology
- Plant Physiology and Genetics

Life Sciences PhD
- Genome Science and Technology
- Plant Physiology and Genetics

Interdisciplinary Programs

Graduate Certificates
- Africana Studies
- Linguistics
- Medieval Studies
- Social Theory
- Women, Gender, and Sexuality

Accounting & Information Management

Accounting MAcc
- Audit and Controls
- Information Management
- Taxation

Business Analytics and Statistics

Business Analytics MS

Business Analytics MS-MBA

Management Science PhD
- Analytics

Statistics MS
- Industrial Statistics

Economics

Economics MA

Economics PhD

Management

Management and Human Resources MS

Marketing and Supply Chain Management

Supply Chain Management MS
Business Administration/MBA Programs

MBA
- Business Analytics
- Entrepreneurship and Innovation
- Finance
- Marketing
- Supply Chain Management

MBA for Working Professionals
- Aerospace and Defense MBA
- Physician Executive MBA
- Professional MBA
- Executive MBA

MBA-JD

MS-MBA

MBA-PharmD

Business Administration PhD
- Accounting
- Finance
- Marketing
- Strategy, Entrepreneurship and Organizations
- Statistics
- Supply Chain Management

College of Communication and Information

Communication and Information

Communication and Information MS
- Advertising
- Communication Studies
- Journalism and Electronic Media
- Public Relations

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

School of Information Sciences

Information Sciences MS

Graduate Certificate in Youth Informatics
College of Education, Health and Human Sciences

Child and Family Studies

Child and Family Studies MS
- General-Emphasis
- Teacher Licensure (PreK-3)

Child and Family Studies PhD

Graduate Certificate in International Children, Youth and Families

Educational Leadership & Policy Studies

College Student Personnel MS

Educational Administration MS
- Leadership Academy

Education EdS
- Educational Administration

Education PhD
- Leadership Studies in Education

Educational Leadership EdD

Higher Education Administration PhD

Graduate Certificate in Educational Administration (PreK-12)

Educational Psychology & Counseling

Counseling MS
- Clinical Mental Health Counseling
- School Counseling

Counselor Education PhD

Education MS
- Instructional Technology

Education PhD
- Learning, Design and Technology
- Learning Environments and Educational Studies

Educational Psychology MS
- Adult Education
- Applied Educational Psychology

Educational Psychology and Research PhD
- Adult Learning
- Applied Educational Psychology
- Evaluation, Statistics, and Measurement

School Psychology PhD

Graduate Certificates
- Evaluation, Statistics, and Measurement
- Grief, Loss and Trauma
- Online Teaching and Learning
- Qualitative Research Methods in Education

Graduate Certificate in International Children, Youth and Families

Higher Education Administration PhD

Graduate Certificate in Educational Administration (PreK-12)
# Kinesiology, Recreation, and Sport Studies

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

**Recreation and Sport Management MS**
- Sport Management
- Therapeutic Recreation

**Kinesiology and Sport Studies PhD**
- Kinesiology
- Sport Studies

# Nutritional Sciences

**Nutrition MS**
- Cellular and Molecular Nutrition
- Public Health Nutrition

**Nutrition MS-MPH**

**Nutritional Sciences PhD**
- Cellular and Molecular Nutrition
- Community Nutrition

# Public Health

**Public Health DrPH**

**Public Health MPH**
- Community Health Education
- Health Policy and Management
- Veterinary Public Health

**Public Health MPH-DVM**

**Public Health MPH-JD**

**Public Health MPH-MS**

**Graduate Certificate in Food Safety**

# Retail, Hospitality, and Tourism Management

**Retail, Hospitality, and Tourism Management PhD**

# Theory and Practice in Teacher Education

**Teacher Education MS**
- Educational Studies
- Professional Internship Initial Licensure
- Practitioner
  - English as a Second Language, Math Education, Science Education, Special Education, World Languages
Teacher Education EdS
- Educational Technology
- Elementary Education
- English Education
- Literacy Education
- Mathematics Education
- Science Education
- Social Science Education
- Special Education
- Teaching and Learning
- World Language/ESL Education

Education PhD
- Literacy Studies
- Special Education, Deaf Education, and Interpreter Education
- Teacher Education

Graduate Certificates
- Cultural Studies in Education
- Rehabilitation Counseling for the Deaf
- Urban Education

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 Engineering

Civil Engineering MS-MBA

Civil Engineering PhD
- Climate Impacts Engineering
- Construction Engineering
- Energy Science and Engineering
- Environmental Engineering
- Geotechnical/Materials Engineering
- Public Works Engineering
- Structural Engineering
- Transportation Engineering
- Water Resources Engineering

Civil Engineering Graduate Certificate in Contractual & Legal Affairs in Engineering & Construction

Environmental Engineering MS
- Water Resources Engineering

Environmental Engineering MS-MBA
Electrical Engineering and Computer Science

Computer Engineering MS
- Computer Architecture
- Computer Networks
- Computer Vision
- Cybersecurity
- Data Analytics
- Embedded Systems
- Image Processing
- Information Systems
- Signal Processing
- VLSI System Design

Computer Engineering MS-MBA

Computer Engineering PhD
- Computer Architecture
- Computer Networks
- Computer Vision
- Cybersecurity
- Data Analytics
- Embedded Systems
- Energy Science and Engineering
- Image Processing
- Information Systems
- Signal Processing
- VLSI System Design

Computer Science MS
- Computational Imaging
- Computer-Human Interaction
- Cybersecurity
- Cyberinfrastructure
- Data Mining
- Data Analytics
- Data Visualization
- Discrete Optimization
- Energy Science and Engineering
- High Performance Computing
- Intelligent Systems and Machine Learning
- Life Science Applications
- Software Systems

Computer Science MS-MBA

Computer Science PhD
- Computational Imaging
- Computer-Human Interaction
- Cybersecurity
- Cyberinfrastructure
- Data Mining
- Data Analytics
- Data Visualization
- Discrete Optimization
- Energy Science and Engineering
- High Performance Computing
- Intelligent Systems and Machine Learning
- Life Science Applications
- Software Systems

Electrical Engineering MS
- Automotive Manufacturing and Technology
- Communications
- Control Systems
- Electromagnetics and RF Circuits
- Fire Protection Engineering
- Power Electronics
- Power Systems
- Signal Processing
- Solid-State Electronics

Electrical Engineering MS-MBA

Electrical Engineering PhD
- Automotive Manufacturing and Technology
- Communications
- Control Systems
- Electromagnetics and RF Circuits
- Energy Science and Engineering
- Fire Protection Engineering
- Power Electronics
- Power Systems
- Signal Processing
- Solid-State Electronics

Graduate Certificates
- Fire Protection Engineering
- Power and Energy Systems
- Wide Bandgap (WBG) Power Electronics
Industrial and Systems Engineering

Industrial Engineering MS
- Automotive Manufacturing
- Engineering Management
- Systems Engineering

Industrial Engineering MS-MBA

Industrial Engineering PhD
- Energy Science and Engineering
- Engineering Management

Graduate Certificate in Engineering Management

Materials Science and Engineering

Materials Science and Engineering MS
- Automotive Materials
- Biomaterials
- Materials
- Metallurgy
- Nanomaterials
- Polymers

Materials Science and Engineering MS-MBA

Materials Science and Engineering PhD
- Automotive Materials
- Biomaterials
- Energy Science and Engineering
- Materials
- Metallurgy
- Nanomaterials
- Polymers

Mechanical, Aerospace and Biomedical Engineering

Aerospace Engineering MS
- Applied Mechanics
- Systems and Controls
- Thermal-Fluid Mechanics

Aerospace Engineering MS-MBA

Aerospace Engineering PhD
- Applied Mechanics
- Energy Science and Engineering
- Systems and Controls
- Thermal-Fluid Mechanics

Biomedical Engineering MS
- Biomechanics
- Biomedical Systems

Biomedical Engineering MS-MBA

Biomedical Engineering PhD
- Biomechanics
- Biomedical Systems
- Energy Science and Engineering

Mechanical Engineering MS
- Applied Mechanics
- Automotive Manufacturing Simulation and Design
- Systems and Controls
- Thermal-Fluid Mechanics

Mechanical Engineering MS-MBA

Mechanical Engineering PhD
- Applied Mechanics
- Automotive Manufacturing Simulation and Design
- Energy Science and Engineering
- Systems and Controls
- Thermal-Fluid Mechanics
Nuclear Engineering

Nuclear Engineering MS
• Radiological Engineering

Nuclear Engineering MS-MBA

Nuclear Engineering PhD
• Energy Science and Engineering
• Radiological Engineering

Graduate Certificates
• Nuclear Criticality Safety
• Nuclear Security Science and Analysis

Interdepartmental Programs

Engineering Science MS
• Aerospace Engineering
• Biomedical Engineering
• Civil Engineering
• Environmental Engineering
• Flight Test Engineering (UTSI)
• 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 Certificates in Reliability and Maintainability Engineering
• Chemical Engineering
• Computer Engineering
• Electrical Engineering
• Industrial Engineering
• Mechanical Engineering
• Nuclear Engineering

College of Law

Law JD
• Advocacy and Dispute Resolution
• Business Transactions

Law JD-MA

Law JD-MBA

Law JD-MPH

Law JD-MPPA

Law LLM
College of Nursing

Nursing MSN
- Family Nurse Practitioner
- Psychiatric Mental Health Nurse Practitioner
- Nurse Anesthesia
- Nursing Administration
- Pediatric Nurse Practitioner

Nursing DNP
- Family Nurse Practitioner
- Psychiatric Mental Health Nurse Practitioner
- Nurse Anesthesia
- Nursing Executive Practice
- Pediatric Nurse Practitioner

Nursing PhD

Graduate Certificates
- Family Nurse Practitioner
- Health Policy
- Psychiatric Mental Health Nurse Practitioner
- Nurse Anesthesia
- Nursing Administration
- Nursing Education
- Pediatric Nurse Practitioner

College of Social Work

Social Work MSSW
- Evidence-Based Interpersonal Practice
- Organizational Leadership

Social Work DSW

Social Work PhD

Graduate Certificates
- Gerontology
- Trauma Treatment
- Veterinary Social Work

College of Veterinary Medicine

Veterinary Medicine DVM

Veterinary Medicine DVM-PhD

Veterinary Medicine DVM-MS

Veterinary Medicine DVM-MPH
Intercollegiate Programs

Comparative and Experimental Medicine

Comparative and Experimental Medicine MS
• Forensic Odontology

Comparative and Experimental Medicine PhD

Comparative and Experimental Medicine PhD-DVM

Bredesen Center for Interdisciplinary Research and Graduate Education

Data Science and Engineering PhD

Energy Science and Engineering PhD

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.