

Graduate Degrees, Majors and Certificate Programs

The University of Tennessee, Knoxville

2014-2015 Academic Year/Listed by College and Department

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 http://gradschool.utk.edu/catalog_redirection.html

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION(s) available GRADUATE CERTIFICATES AVAILABLE
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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
		Dual MS-MBA	Natural Resource Economics Available with College of Business Administration
Animal Science	Animal Science	MS	
		PhD	
Biosystems Engineering and Soil Science	Biosystems Engineering	MS	
		PhD	Energy Science and Engineering
	Biosystems Engineering Technology	MS	
	Environmental and Soil Science	MS	
Entomology and Plant Pathology	Entomology and Plant Pathology	MS	Entomology
			Plant Pathology
Food Science and Technology	Food Science and Technology	MS	
		PhD	Food Chemistry
			Food Microbiology Food Processing
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	Plants, Soils and Insects	PhD	Bioactive Natural Products
			Crop Sciences
			Entomology
			Environmental and Soil Sciences
			Horticulture
			Integrated Pest Management
			Plant Breeding
			Plant Molecular Genetics
			Plant Pathology
			Weed Science
Plant Sciences	Plant Sciences	MS	Crop Sciences
			Horticulture
			Plant Breeding
			Plant Molecular Genetics
			Weed Science

College of Architecture and Design

Landscape Architecture Program	Landscape Architecture	MLA	Track 1 (first professional degree track)
			Track 2 (post-professional degree track)
		MALA MSLA	

School of Architecture	Architecture	MArch	Conservation and Stewardship
			High Performance Buildings
			Urban Design
			Sustainable Design
Currently Not Available PENDING THEC APPROVAL	Architecture	MSArch	Conservation and Stewardship
			High Performance Buildings
			Urban Design
	Graduate Certificates		Sustainable Design
			Conservation and Stewardship
			High Performance Buildings
			Urban Design
			Sustainable Design

College of Arts and Sciences

Anthropology	Anthropology	MA	Archaeology
			Biological Anthropology
			Cultural Anthropology
			Mediterranean Archaeology
			Zooarchaeology
		PhD	Archaeology
			Biological Anthropology
			Cultural Anthropology
			Zooarchaeology
		Graduate Certificate	Disasters, Displacement, and Human Rights
School of Art	Art	MFA	Ceramics
			Painting/Drawing
			Printmaking
			Sculpture
			Transmedia Design
Biochemistry and Cellular and Molecular Biology	Biochemistry and Cellular and Molecular Biology	MS	
		PhD	
Chemistry	Chemistry	MS	Analytical Chemistry
			Environmental Chemistry
			Inorganic Chemistry
			Organic Chemistry
			Physical Chemistry
			Polymer Chemistry
		PhD	Analytical Chemistry
			Chemical Physics (in cooperation with Physics Department)
			Environmental Chemistry
			Inorganic Chemistry
			Organic Chemistry
			Physical Chemistry
			Polymer Chemistry
Theoretical Chemistry			
Graduate Certificate	Radiochemistry		
Earth and Planetary Sciences	Geology	MS	
		PhD	
Ecology and Evolutionary Biology	Ecology and Evolutionary Biology	MS	Behavior
			Ecology
			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			
		PhD			
History	History	MA			
		PhD	American History European History		
Interdepartmental/Intercollegiate	Life Sciences	MS	Genome Science and Technology Plant Physiology and Genetics		
			PhD	Genome Science and Technology Plant Physiology and Genetics	
		Interdisciplinary Programs			Graduate Certificates
			Linguistics		
Medieval Studies					
Social Theory					
Mathematics	Mathematics	MMath			
		MS	Applied Mathematics		
		PhD	Mathematical Ecology/Evolution		
Microbiology	Microbiology	MS			
		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	MMusic	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
		Dual JD-MA program available (with College of Law)			
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
			Geophysics
			Mathematical and Computational Physics
			Nuclear and Relativistic Heavy Ion Physics
		Theoretical 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	
		PhD	
		Graduate Certificate	Global Security Studies
	Public Policy and Administration	MPPA	
		Dual JD-MPPA program available (with College of Law)	
Psychology	Psychology	MA	Experimental Psychology
			General Psychology
		PhD	Clinical Psychology
			Counseling Psychology
			Experimental Psychology
Sociology	Sociology	MA	Criminology
			Environmental Sociology
			Political Economy
		PhD	Criminology
			Environmental Sociology
			Political Economy
Theatre	Theatre	MFA	Acting
			Costume Design
			Lighting Design
			Scene Design

College of Business Administration

Accounting and Information Management	Accounting	MAcc	Audit and Controls
			Taxation
Economics	Economics	MA	
		PhD	
Management	Human Resource Management	MS	
Interdepartmental	Business Administration	MBA	Business Analytics
			Entrepreneurship and Innovation
			Finance
			Human Resource Management
			Marketing
			Operations Management
Supply Chain Management			

Interdepartmental	Business Administration	MBA	MBA Programs for Working Professionals Aerospace and Defense MBA Physician Executive MBA Professional MBA Executive MBA
	Business Administration	Dual JD-MBA program available (with College of Law)	
	Business Administration	Dual MS-MBA	available (with College of Agricultural Sciences and Natural Resources; College of Business Administration; and College of Engineering)
	Business Administration	Dual PharmD-MBA program available (with UT Health Science Center)	
	Business Administration	PhD	Accounting
			Finance
			Marketing
Organizations and Strategy			
		Statistics	
		Supply Chain Management	
Business Analytics and Statistics	Business Analytics	MS	
		Dual MS-MBA	
	Management Science	PhD	
	Statistics	MS	Industrial Statistics
		Graduate Certificate	Applied Statistical Strategies

College of Communication and Information

Interdepartmental	Communication and Information	MS	Advertising
			Communication Studies
			Journalism and Electronic Media
			Public Relations
	PhD	Advertising	
		Communication Studies	
		Information Science	
		Journalism and Electronic Media	
			Public Relations
School of Information Sciences	Information Sciences	MS	

College of Education, Health and Human Sciences

Child and Family Studies	Child and Family Studies	MS	General-Emphasis Teacher Licensure (PreK-3)
		PhD	
Educational Leadership and Policy Studies	College Student Personnel	MS	
	Educational Administration	MS	Leadership Academy
	Education	EdS	Educational Administration
		PhD	Leadership Studies in Education
	Higher Education Administration	PhD	
		Graduate Certificates	Educational Administration (PreK-12) University Research Administration
Educational Psychology and Counseling	Counseling	MS	Clinical Mental Health Counseling
			Psychosocial Rehabilitation Counseling
			Rehabilitation Counseling
			School Counseling
	Counselor Education	PhD	
	Education	MS	Cultural Studies of Educational Foundations
			Instructional Technology
	Education	PhD	Learning Environments and Educational Studies
Educational Psychology	MS	Adult Education	
		Applied Educational Psychology	
Educational Psychology and Research	PhD	Adult Learning	
		Evaluation, Statistics, and Measurement	
School Psychology	PhD		

Educational Psych & Counseling	School Psychology	Graduate Certificates	Cultural Studies in Education
			Evaluation, Statistics, and Measurement
			Grief, Loss and Trauma
			Online Teaching and Learning
			Qualitative Research Methods in Education
Kinesiology, Recreation, and Sport Studies	Kinesiology	MS	Biomechanics
			Exercise Physiology
			Sport Psychology and Motor Behavior
Kinesiology, Recreation, and Sport Studies	Recreation and Sport Management	MS	Sport Management
			Therapeutic Recreation
	Kinesiology and Sport Studies	PhD	Kinesiology (specializations in biomechanics; exercise physiology; physical activity epidemiology; sport psychology and motor behavior)
			Sport Studies (specializations in socio-cultural studies; and sport management)
Nutrition	Nutrition	MS	Cellular and Molecular Nutrition
			Public Health Nutrition
			Dual MS-MPH program available (with Department of Public Health)
	Nutritional Sciences	PhD	Cellular and Molecular Nutrition
Public Health	Public Health	MPH	Community Health Education
			Health Policy and Management
			Veterinary Public Health
			Dual JD-MPH program available (with College of Law)
			Dual MS-MPH program available (with Department of Nutrition)
	Education	PhD	Health Behavior and Health Education
		Graduate Certificates	Food Safety
			Public Health Leadership
Retail, Hospitality, and Tourism Management	Retail, Hospitality, and Tourism Management	PhD	
Theory and Practice in Teacher Education	Teacher Education	MS	Track I (Non-Licensure - teachers with Licensure)
			Art Education
			Education of the Deaf and Hard of Hearing
			Elementary Education
			English Education
			Mathematics Education
			Reading Education
			Science Education
			Science Education (Informal Education)
			Science, Technology, Engineering & Mathematics
			Social Science Education
			Special Education
			World Language/ESL Education
			Track II (Licensure - teachers seeking Licensure)
			Art Education
			Education of the Deaf and Hard of Hearing
			Elementary Teaching
			English as a Second Language Education
			Middle Grades Teaching
	Secondary Teaching		
	Special Education		
	World Language Education		
	Teacher Education	EdS	Educational Technology
			Elementary Education
			English Education
			Mathematics Education
			Reading Education
		Science Education	

Theory and Practice in Teacher Education	Teacher Education	EdS	Social Science Education
			Special Education
			World Language/ESL Education
	Education	PhD	Literacy Studies
			Special Education, Deaf Education, and Interpreter Education
			Teacher Education
		Graduate Certificate	Urban Education

College of Engineering

Chemical and Biomolecular Engineering	Chemical Engineering	MS	
		Dual MS-MBA program available (with College of Business Administration)	
		PhD	Energy Science and Engineering
		Graduate Certificate	Sustainability Science
Civil and Environmental Engineering	Civil Engineering	MS	Construction Engineering
			Geotechnical/Materials Engineering
			Public Works Engineering
			Structural Engineering
			Transportation Engineering
		Dual MS-MBA program available (with College of Business Administration)	
		PhD	Climate Impacts Engineering
			Construction Engineering
	Energy Science and Engineering		
	Environmental Engineering		
	Geotechnical/Materials Engineering		
	Public Works Engineering		
	Structural Engineering		
Transportation Engineering			
Environmental Engineering	MS	Water Resources Engineering	
		Dual MS-MBA program available (with College of Business Administration)	
Electrical Engineering and Computer Science	Computer Engineering	MS	Computer Architecture
			Computer Networks
			Computer Vision
			Data Fusion
			Data Structures
			Data Visualization
			Embedded Systems
			Image Processing
			Information Systems
			VLSI System Design
		Dual MS-MBA program available (with College of Business Administration)	
		PhD	Computer Architecture
			Computer Networks
	Computer Vision		
	Data Fusion		
	Data Structures		
	Data Visualization		
	Embedded Systems		
	Energy Science and Engineering		
	Image Processing		
Information Systems			
VLSI System Design			

Electrical Engineering and Computer Science	Computer Science	MS		
		Dual MS-MBA program available (with College of Business Administration)		
		PhD	Energy Science and Engineering	
	Electrical Engineering	MS	Circuit Theory	
			Communication Theory	
			Computers	
			Control Systems	
			Electro-Optics	
			Electromagnetic Theory	
			Plasma Engineering	
			Power Electronics	
			Power Systems	
		Solid-State Electronics		
		Dual MS-MBA program available (with College of Business Administration)		
		PhD	Circuit Theory	
Communication Theory				
Computers				
Control Systems				
Electro-Optics				
Electromagnetic Theory				
Energy Science and Engineering				
Plasma Engineering				
Power Electronics				
Power Systems				
Solid-State Electronics				
Graduate Certificates	Fire Protection Engineering			
	Power and Energy Systems			
Industrial and Systems Engineering	Industrial Engineering	MS	Engineering Management	
		Dual MS-MBA program available (with College of Business Administration)		
		PhD	Energy Science and Engineering	
	Engineering Management			
	Graduate Certificate	Engineering Management		
Interdepartmental	Engineering Science	MS	Aerospace Engineering	
			Biomedical Engineering	
			Civil Engineering	
			Environmental Engineering	
			Flight Test Engineering (UTSI only)	
			Mechanical Engineering	
		Dual MS-MBA program available (with College of Business Administration)		
		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				

Interdepartmental	Reliability and Maintainability Engineering	Dual MS-MBA program available (with College of Business Administration)		
		Graduate Certificates	Reliability and Maintainability Engineering	
			Chemical Engineering	
			Computer Engineering	
			Electrical Engineering	
			Industrial Engineering	
			Mechanical Engineering	
Nuclear Engineering				
Materials Science and Engineering	Materials Science and Engineering	MS	Biomaterials	
			Materials	
			Metallurgy	
			Nanomaterials	
			Polymers	
		Dual MS-MBA program available (with College of Business Administration)		
		PhD	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	
		Dual MS-MBA program available (with College of Business Administration)		
		PhD	Applied Mechanics	
			Energy Science and Engineering	
			Systems and Controls	
			Thermal-Fluid Mechanics	
		Biomedical Engineering	MS	Biomechanics
				Biomedical Systems
	Dual MS-MBA program available (with College of Business Administration)			
	PhD		Biomechanics	
			Biomedical Systems	
			Energy Science and Engineering	
	Mechanical Engineering		MS	Applied Mechanics
Systems and Controls				
Thermal-Fluid Mechanics				
Dual MS-MBA program available (with College of Business Administration)				
PhD		Applied Mechanics		
		Energy Science and Engineering		
		Systems and Controls		
		Thermal-Fluid Mechanics		
Nuclear Engineering	Nuclear Engineering	MS	Radiological Engineering	
		Dual MS-MBA program available (with College of Business Administration)		
		PhD	Energy Science and Engineering	
			Radiological Engineering	
		Graduate Certificates	Nuclear Criticality Safety	
			Nuclear Security Science and Analysis	

College of Law			
	Law	JD	Advocacy and Dispute Resolution
			Business Transactions
		Dual JD-MA program available (with Department of Philosophy in the College of Arts and Sciences)	
		Dual JD-MBA program available (with College of Business Administration)	
		Dual JD-MPH program available (with Department of Public Health in the College of Education, Health, and Human Sciences)	
		Dual JD-MPPA program available (with Department of Political Science in the College of Arts and Sciences)	

College of Nursing			
	Nursing	MSN	Adult Health Clinical Nurse Specialist
			Family Nurse Practitioner
			Global Disaster Nursing
			Mental Health Nursing
			Nurse Anesthesia
			Nursing Administration
			Nursing of Women and Children
		DNP	Family Nurse Practitioner
			Mental Health Practitioner
	Nursing of Women and Children		
	Nursing	Graduate Certificates	Adult Health Clinical Nurse Specialist
			Family Nurse Practitioner
			Global Disaster Nursing
			Global Disaster Studies
			Health Policy
			Mental Health Nursing
Nurse Anesthesia			
Nursing Administration			
Nursing Education			
Nursing of Women and Children			

College of Social Work			
	Social Work	MSSW	Evidence-based Interpersonal Practice
			Management, Leadership and Community Practice
		DSW	
		PhD	
		Graduate Certificates	Gerontology
Trauma Treatment			
Veterinary Social Work			

College of Veterinary Medicine			
	Veterinary Medicine	DVM	

Intercollegiate			
Comparative and Experimental Medicine	Comparative and Experimental Medicine	MS	
		PhD	
Bredesen Center for Interdisciplinary Research and Graduate Education	Energy Science and Engineering	PhD	