

Graduate Majors, Degrees and Certificates Programs

The University of Tennessee, Knoxville

2015-2016 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	
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	
Animal Science	Animal Science	Dual MS-MBA	Available with College of Business Administration	
		MS		
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	Bioinformatics and Genomics	
			Entomology	
			Plant Pathology	
	Entomology, Plant Pathology and Nematology	PhD	Biodiversity and Ecosystem Resilience	
	Bioinformatics, Genomics, & Molecular Interactions			
Food Science and Technology	Food Science and Technology	MS	Organismal Biology and Ecology	
			PhD	Sustainable Disease & Integrated Pest Management
Forestry, Wildlife and Fisheries	Forestry	MS	Food Chemistry	
			PhD	Food Microbiology
	Natural Resources	PhD	Food Processing	
				Bio-based Products & Wood Science & Technology
Wildlife and Fisheries Science	MS	Bio-based Products & Wood Science & Technology		
			Natural Resource Economics	
Interdepartmental	Plants, Soils and Insects	PhD	Wildlife Health	
			Bioactive Natural Products	
			Crop Sciences	
			Entomology	
			Environmental and Soil Sciences	
			Horticulture	
			Integrated Pest Management	
			Plant Breeding	
			Plant Molecular Genetics	
			Plant Pathology	
Plant Sciences	Plant Sciences	MS	Weed Science	
			Crop Sciences	
			Horticulture	
			Plant Breeding	
			Plant Molecular Genetics	
College of Architecture and Design				
Landscape Architecture Program	Landscape Architecture	MLA	Track 1 (first professional degree track)	
			Track 2 (post-professional degree track)	

Landscape Architecture Program	Landscape Architecture	MALA	
		MSLA	
School of Architecture	Architecture	MArch	Conservation and Stewardship
			High Performance Buildings
			Urban Design
			Sustainable Design
Currently Not Available PENDING THEC APPROVAL	<i>Architecture</i>	<i>MSArch</i>	<i>Conservation and Stewardship</i>
			<i>High Performance Buildings</i>
			<i>Urban Design</i>
			<i>Sustainable Design</i>
		Graduate Certificates	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			
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
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			

Ecology and Evolutionary Biology	Ecology and Evolutionary Biology	PhD	Energy Science and Engineering
			Evolutionary Biology
English	English	MA	Literature, Criticism, and Textual Studies
			Rhetoric, Writing, and Linguistics
	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	Africana Studies
			Linguistics
			Medieval Studies
			Social Theory
			Women's Studies
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

Haslam College of Business

Accounting and Information Management	Accounting	MAcc	Audit and Controls
			Information Management
			Taxation
Business Analytics and Statistics	Business Analytics	MS	
		Dual MS-MBA	
	Management Science	PhD	Analytics
	Statistics	MS	Industrial Statistics
		Graduate Certificate	Applied Statistical Strategies
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
			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	

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)		
		DrPH	Community Health Education	
			Epidemiology	
		Graduate Certificate	Food Safety	
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	
			Teaching and Learning	
			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	
			Mathematics Grades 6-8 Teaching	
	Science Grades 6-8 Teaching			
	Secondary Teaching			
	Special Education			
	World Language Education			
	Teacher Education	EdS	Educational Technology	
			Elementary Education	
			English Education	
		Mathematics Education		

Theory and Practice in Teacher Education	Teacher Education	EdS	Reading 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
		Graduate Certificate	Teacher Education
			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
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	
Environmental Engineering	MS	Public Works Engineering	
		Structural Engineering	
		Transportation Engineering	
		Water Resources Engineering	
		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
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	
		Dual MS-MBA program available (with College of Business Administration)	
Applied 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
			Mental Health Nursing
			Nurse Anesthesia
			Nursing Administration
			Nursing of Women and Children
		DNP	Family Nurse Practitioner
			Mental Health Practitioner
			Nurse Anesthesia
			Nursing Administration
		Nursing of Women and Children	
	Nursing	Graduate Certificates	Adult Health Clinical Nurse Specialist
			Family Nurse Practitioner
			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	
		Dual DVM-PhD program available (with Intercollegiate Comparative and Experimental Medicine Program)	

Intercollegiate

Comparative and Experimental Medicine	Comparative and Experimental Medicine	MS	Forensic Odontology
		PhD	
		Dual PhD-DVM program available (with College of Veterinary Medicine)	
Bredesen Center for Interdisciplinary Research and Graduate Education	Energy Science and Engineering	PhD	