

Graduate Degrees, Majors and Certificate Programs

The University of Tennessee, Knoxville

2010-2011 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. Major titles 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://catalog.utk.edu/index.php?catoid=2>

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION / GRADUATE CERT. 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 Economics	MS	Agribusiness
			Agricultural Economics
		MS-MBA	Agribusiness
Animal Science	Animal Science	MS	
		PhD	
Biosystems Engineering and Soil Science	Biosystems Engineering	MS	
		PhD	
	Biosystems Engineering Technology Environmental and Soil Sciences	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	
	Natural Resources	PhD	Natural Resource Economics
	Wildlife and Fisheries Science	MS	
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 <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">Landscape Architecture - intercollegiate program with College of Architecture and Design</div>	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	

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION / GRADUATE CERT. AVAILABLE
School of Architecture	Architecture	MArch	Track 1 (first professional degree track)
			Urban Design
			Sustainable Design
			Track II (for students with a bachelor's degree in architecture)
			Urban Design
			Sustainable Design
		Track III (for students who already hold a degree in another field.)	
		Urban Design	
Graduate Certificate	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			
School of Art	Art	MFA	Ceramics
			Drawing
			Graphic Design
			Media Arts
			Painting
			Printmaking
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
Earth and Planetary Sciences	Geology	MS	
		PhD	
Ecology and Evolutionary Biology	Ecology and Evolutionary Biology	MS	Behavior
			Ecology
			Evolutionary Biology
		PhD	Behavior
			Ecology
			Evolutionary Biology

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION / GRADUATE CERT. AVAILABLE
English	English	MA	Writing
		PhD	
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 Certificate	Linguistics
			Medieval Studies
			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 Certificate	Artist Certificate in Music Music Theory Pedagogy
Philosophy	Philosophy	MA	
		PhD	
Physics and Astronomy	Physics	MS	Astrophysics
			Atomic, Molecular, Optical, and Low Temperature Physics
			Biophysics
			Chemical Physics
			Condensed Matter and Surface Physics

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION / GRADUATE CERT. AVAILABLE
	Physics	MS	Elementary Partical Physics
			Geophysics
			Health Physics
			Mathematical and Computational Physics
			Nuclear and Relativitic Heavy Ion Physics
			Theoretical Physics
		PhD	Astrophysics
			Atomic, Molecular, Optical, and Low Temperature Physics
			Biophysics
			Chemical Physics
			Condensed Matter and Surface Physics
			Elementary Partical Physics
			Mathematical and Computational Physics
			Nanomaterials
Nuclear and Relativitic Heavy Ion Physics			
Theoretical Physics			
Political Science	Political Science	MA	
		PhD	
	Public Administration	MPA	
		Dual JD-MPA program available (with College of Law)	
Psychology	Psychology	MA	Experimental Psychology
			General Psychology
		PhD	Clinical Psychology
			Counseling Psychology
Sociology	Sociology	MA	Criminology
			Environmental Sociology
			Political Economy
		PhD	Criminology
			Environmental Sociology
			Political Economy
Theatre	Theatre	MFA	Acting
			Costume Design
			Dramaturgy
			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	Finance
			Logistics
			Marketing
			Operations Management
			Secondary Concentration
Innovation and Entrepreneurship			

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION / GRADUATE CERT. AVAILABLE		
Interdepartmental	Business Administration		MBA Programs for Working Professionals		
			Aerospace and Defense MBA		
			Physician Executive MBA		
			Professional MBA		
					Executive MBA
				Dual JD-MBA program available (with College of Law)	
				Dual MS-MBA program available (with College of Agricultural Sciences and Natural Resources; College of Education, Health, and Human Sciences and College of Engineering)	
			PhD	Accounting	
				Finance	
				Human Resource Development	
		Logistics			
		Marketing			
		Organizations and Strategy			
		Statistics			
	Industrial and Organizational Psychology	PhD			
Statistics, Operations and Management Science	Business Analytics	MS			
	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)
Educational Leadership and Policy Studies	College Student Personnel	MS	
	Educational Administration	MS	
	Education	EdS	Educational Administration
		PhD	Leadership Studies in Education
	Higher Education Administration	PhD	
		Graduate Certificate	Educational Administration (PreK-12)
			Urban Education
Educational Psychology and Counseling	Counseling	MS	Mental Health Counseling
			Psychosocial Rehabilitation Counseling
			Rehabilitation Counseling
			School Counseling
	Counselor Education	PhD	
	Education	MS	Cultural Studies of Educational Foundations
			Instructional Technology

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION / GRADUATE CERT. AVAILABLE
	Education	EdS	Instructional Technology School Counseling School Psychology
		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	
		Graduate Certificate	Evaluation, Statistics and Measurement Qualitative Research Methods in Education
		Kinesiology	MS
	Recreation and Sport Management	MS	Sport Management Therapeutic Recreation Dual MS-MBA program available (with College of Business Administration)
	Kinesiology and Sport Studies	PhD	Kinesiology (specializations in biomechanics; exercise physiology; physical activity epidemiology; and 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 Nutrition/Public Health)
		Nutritional Sciences	PhD
	Public Health	Public Health	MPH
Education			PhD
Retail, Hospitality, and Tourism Management		Retail, Hospitality and Tourism Management	PhD
Theory & Practice in Teacher Education	Teacher Education	MS	Track I (previously licensed teachers) Art Education Early Childhood Special Education Education of the Deaf and Hard of Hearing Elementary Education English Education Foreign Language/ESL Education Mathematics Education Reading Education Science Education Science Education (Informal Education) Social Science Education Special Education Track II (initial licensure teachers) Art Education Education of the Deaf and Hard of Hearing Elementary Teaching English Language Learning Middle Grades Teaching Modified and Early Childhood Special Education Secondary Teaching

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION / GRADUATE CERT. AVAILABLE
	Teacher Education	EdS	Educational Technology
			Elementary Education
			English Education
			Foreign Language/ESL Education
			Mathematics Education
			Reading Education
			Science Education
			Social Science Education
			Special Education
	Education	PhD	Literacy Studies
			Special Education
			Teacher Education

College of Engineering

Chemical and Biomolecular Engineering	Chemical Engineering	MS	Advanced Control Systems		
			Chemical Bioengineering		
			Chemical Engineering		
			Polymer Science and Engineering		
			Dual MS-MBA program available (with College of Business Administration)		
		PhD	Advanced Control Systems		
			Chemical Bioengineering		
			Chemical Engineering		
			Polymer 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	Construction Engineering		
			Environmental Engineering		
	Geotechnical/Materials Engineering				
	Environmental Engineering	MS	Water Resources Engineering		
			Dual MS-MBA program available (with College of Business Administration)		
			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				

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION / GRADUATE CERT. AVAILABLE	
	Computer Engineering	PhD	Data Visualization	
			Embedded Systems	
			Image Processing	
			Information Systems	
			VLSI System Design	
	Computer Science	MS		
		Dual MS-MBA program available (with College of Business Administration)		
		PhD		
	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			
Industrial and Information Engineering	Industrial Engineering	MS	Engineering Management	
		Dual MS-MBA program available (with College of Business Administration)		
		PhD	Engineering Management	
		Graduate Certificate	Engineering Management	
	Interdepartmental	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	
			Dual MS-MBA program available (with College of Business Administration)	
			Graduate Certificate	Reliability and Maintainability Engineering
				Chemical Engineering
				Computer Engineering
				Electrical Engineering
	Industrial Engineering			
Nuclear Engineering				
Materials Science and Engineering	Materials Science and Engineering	MS	Materials	
		Metallurgy		
		Nanomaterials		
		Polymers		

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION / GRADUATE CERT. AVAILABLE
Materials Science and Engineering	Materials Science and Engineering	Dual MS-MBA program available (with College of Business Administration)	
		PhD	Materials
			Metallurgy
			Nanomaterials
	Polymer Engineering	MS	Polymer Processing
		PhD	Polymer Science
Mechanical, Aerospace, and Biomedical Engineering	Aerospace Engineering	MS	Thermal-Fluid Mechanics
			Systems and Controls
			Applied Mechanics
		Dual MS-MBA program available (with College of Business Administration)	
		PhD	Thermal-Fluid Mechanics
			Systems and Controls
	Applied Mechanics		
	Biomedical Engineering	MS	Biomechanics
			Biomedical Systems
		Dual MS-MBA program available (with College of Business Administration)	
		PhD	Biomechanics
	Engineering Science	MS	Flight Test Engineering (UTSI only)
			Thermal-Fluid Mechanics
			Systems and Controls
			Applied Mechanics
		Dual MS-MBA program available (with College of Business Administration)	
		PhD	Thermal-Fluid Mechanics
			Systems and Controls
			Applied Mechanics
		Mechanical Engineering	MS
			Systems and Controls
	Applied Mechanics		
Dual MS-MBA program available (with College of Business Administration)			
PhD	Thermal-Fluid Mechanics		
	Systems and Controls		
	Applied Mechanics		
Graduate Certificate	Computational Fluid Dynamics		
Nuclear Engineering	Nuclear Engineering	MS	Radiological Engineering
		Dual MS-MBA program available (with College of Business Administration)	
		PhD	Radiological Engineering
		Graduate Certificate	Nuclear Criticality Safety
			Nuclear Security Science and Analysis

College of Law

	Law	JD	Advocacy and Dispute Resolution
			Business Transactions
		Dual JD-MBA program available (with College of Business Administration)	
		Dual JD-MPA program available (with Department of Political Science in the College of Arts and Sciences)	

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION / GRADUATE CERT. AVAILABLE
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College of Nursing

	Nursing	MSN	Adult Health Nursing
			Family Nurse Practitioner
			Homeland Security Nursing
			Mental Health Nursing
			Nurse Anesthesia
			Nursing Administration
			Nursing of Women and Children
	PhD		
	DNP (pending THEC approval)		
	Graduate Certificate	Adult Health Nursing	
		Family Nurse Practitioner	
		Homeland Security Nursing	
		Homeland Security Studies	
Mental Health Nursing			
Nurse Anesthesia			
Nursing Administration			
Nursing Education			
Nursing of Women and Children			

College of Social Work

	Social Work	MSSW	Evidence-based Practice Across Systems
			Evidence-based Interpersonal Practice
		PhD	
		Graduate Certificate	Gerontology
Veterinary Social Work			

College of Veterinary Medicine

	Veterinary Medicine	DVM	
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Intercollegiate

	Aviation Systems (Offered only at UT Space Institute, Tullahoma, Tennessee)	MS	
	Comparative and Experimental Medicine	MS	
		PhD	

