

## Graduate Degrees, Majors, and Certificate Programs

### The University of Tennessee, Knoxville

#### 2009-2010 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
<b>College of Agricultural Sciences and Natural Resources</b>			
Agricultural and Extension Education Program	Agricultural and Extension Education	MS	Agricultural Education
			Agricultural Extension Education
Agricultural 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	MS	
	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
			Sensory Evaluation of Foods
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	MS	
			Landscape Architecture - intercollegiate program with College of Architecture and Design

### 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	Track 1 (first professional degree track)
			Track 2 (for students with first professional degree who wish to develop an area of specialization)

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION/GRADUATE CERT. AVAILABLE
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
			Sculpture
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
			Theoretical Chemistry
Earth and Planetary Sciences	Geology	MS	
		PhD	
Ecology and Evolutionary Biology	Ecology and Evolutionary Biology	MS	Behavior
			Ecology
			Evolutionary Biology
		PhD	Behavior
			Evolutionary Biology
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

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION/GRADUATE CERT. AVAILABLE	
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 (optional emphasis in Music Technology)	
			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	
			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				

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION/GRADUATE CERT. AVAILABLE
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 Experimental Psychology
	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
			<b>Secondary Concentration</b>
			Innovation and Entrepreneurship
			<b>MBA Programs for Working Professionals</b>
			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	Management Science	MS	
		PhD	
	Statistics	MS	Industrial Statistics
		Graduate Certificate	Applied Statistical Strategies

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION/GRADUATE CERT. AVAILABLE
<b>College of Communication and Information</b>			
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	
		EdS	
	Higher Education Administration	PhD	
		Graduate Certificate	Educational Administration (PreK-12)
			Urban Education
Educational Psychology and Counseling	Counseling	MS	Mental Health Counseling
			Rehabilitation Counseling
			School Counseling
	Counselor Education	PhD	
	Education	MS	Cultural Studies of Educational Foundations
			Instructional Technology
	Education	EdS	Instructional Technology
	Educational Psychology	MS	Adult Education
			Applied Educational Psychology
	Educational Psychology and Research	PhD	Adult Education
			Applied Educational Psychology
			Collaborative Learning
			Evaluation and Assessment
	School Counseling	EdS	
	School Psychology	EdS	
		PhD	
		Graduate Certificate	Evaluation
			Qualitative Research Methods in Education
			Quantitative Research Methods in Education
Exercise, Sport and Leisure Studies	Exercise Science	MS	Biomechanics / Sport Medicine
			Exercise Physiology
	Exercise and Sport Sciences	PhD	Exercise Science
			Sport Studies
	Recreation and Leisure Studies	MS	Recreation and Leisure Administration
			Therapeutic Recreation
	Sport Studies	MS	Sport Management
			Sport Psychology
		Sport Sociology	
			Dual MS-MBA program available (with College of Business Administration)

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION/GRADUATE CERT. AVAILABLE
Interdepartmental	Education	PhD	Community Health
			Cultural Studies of Educational Foundations
			Instructional Technology
			Leadership Studies in Education
			Literacy Studies
			Special Education
			Teacher Education
Nutrition	Nutrition	MS	Nutrition Science
			Public Health Nutrition
	Dual MS-MPH program available (with Nutrition/Public Health)		
	Nutritional Sciences	PhD	
	Public Health	MPH	Community Health Education
			Health Planning/Administration
			Veterinary Public Health
Dual MS-MPH program available (Nutrition/Public Health)			
	Graduate Certificate	Applied Epidemiology	
		Public Health Leadership	
Retail, Hospitality, and Tourism Management	Retail, Hospitality and Tourism Management	MS	Hospitality and Tourism Management
			Retail and Consumer Sciences
		PhD	Hospitality and Tourism Management
			Retail and Consumer Sciences
		Graduate Certificate	Services Management
			Tourism Development
Theory and 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	
		EdS	Elementary Education
			English Education
			Foreign Language/ESL Education
			Mathematics Education
			Reading Education
			Science Education
			Social Science Education
			Special Education

## College of Engineering

Chemical and Biomolecular Engineering	Chemical Engineering	MS	Advanced Control Systems
			Chemical Bioengineering
			Chemical Engineering
			Polymer Science and Engineering

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION/GRADUATE CERT. AVAILABLE		
		Dual MS-MBA program available (with College of Business Administration)			
		PhD	Advanced Control Systems		
			Chemical Bioengineering		
			Chemical Engineering		
			Polymer Science and Engineering		
Civil and Environmental Engineering	Civil Engineering	MS	Construction Engineering		
			Environmental 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			
		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				
	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)				

DEPARTMENT	MAJOR	DEGREE	CONCENTRATION/GRADUATE CERT. AVAILABLE	
		PhD	Circuit Theory	
			Communication Theory	
			Computers	
			Control Systems	
			Electro-Optics	
			Electromagnetic Theory	
			Plasma Engineering	
			Power Electronics	
			Power Systems	
			Solid-State Electronics	
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	Chemical Engineering	
			Computer Engineering	
			Electrical Engineering	
			Industrial Engineering	
			Materials Science and Engineering	
			Nuclear Engineering	
	Graduate Certificate	Reliability and Maintainability Engineering		
Materials Science and Engineering	Materials Science and Engineering	MS	Materials	
			Metallurgy	
			Nanomaterials	
			Polymers	
		Dual MS-MBA program available (with College of Business Administration)		
		PhD	Materials	
			Metallurgy	
			Nanomaterials	
	Polymers			
	Polymer Engineering	MS	Polymer Processing	
Polymer Science				
PhD		Polymer Processing		
		Polymer Science		
Mechanical, Aerospace, and Biomedical Engineering	Aerospace Engineering	MS		
		Dual MS-MBA program available (with College of Business Administration)		
		PhD		
	Biomedical Engineering	MS	Dual MS-MBA program available (with College of Business Administration)	
			Dual MS-MBA program available (with College of Business Administration)	
			PhD	
	Engineering Science	MS	Dual MS-MBA program available (with College of Business Administration)	
			Dual MS-MBA program available (with College of Business Administration)	
			PhD	
	Mechanical Engineering	MS	Dual MS-MBA program available (with College of Business Administration)	
			Dual MS-MBA program available (with College of Business Administration)	
			PhD	
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	



DEPARTMENT	MAJOR	DEGREE	CONCENTRATION/GRADUATE CERT. AVAILABLE
------------	-------	--------	--

### 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)		

### 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	
		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

### College of Veterinary Medicine

	Veterinary Medicine	DVM	
--	---------------------	-----	--

### Intercollegiate

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

