

## MAIN FACULTY\*

**Bush**, Andrew J., Ph.D.  
Professor

**Coday**, Mace C., Ph.D.  
Assistant Professor

**Connelly**, Stephanie, M.D.  
Assistant Professor

**Connor**, Pamela D., Ph.D.  
Professor

**DeBon**, Margaret, Ph.D.  
Assistant Professor

**Hare**, Marion, M.D., M.S.  
Associate Professor

**Johnson**, Karen C., M.D., M.P.H.  
Professor & Vice Chair

**Klesges**, Robert C., Ph.D.  
Professor

**Krushkal Adkins**, Julia, Ph.D.  
Assistant Professor

**Lamar**, Kimberly, Ph.D.  
Assistant Professor

**Li**, Rongling, M.D., Ph.D., M.P.H.  
Associate Professor

**McClary**, Alicia M., Ed.D.  
Professor

**Mirvis**, David M., M.D.  
Professor

**Richey**, Phyllis A., Ph.D.  
Assistant Professor

**Runyan**, John W., Jr., M.D.  
Professor Emeritus

**Satterfield**, Suzanne, M.D., Dr.P.H.  
Assistant Professor

**Somes**, Grant W., Ph.D.  
Professor & Chair

**Tamuz**, Michal, Ph.D.  
Associate Professor

**Thomas**, Fridtjof, Ph.D.  
Assistant Professor

**Tolley**, Elizabeth A., Ph.D.  
Professor

**Tylavsky**, Frances A., Dr.P.H.  
Associate Professor

**Vaidean**, Georgeta, M.D., Ph.D.  
Assistant Professor

**Wan**, Jim Y., Ph.D.  
Associate Professor

**Waters**, Teresa, Ph.D.  
Associate Professor

*\*not listed: affiliated, joint, & volunteer faculty*

<http://www.utm.edu/prevmed/pm/msepiprogram.html>

Master of Science in Epidemiology Program  
Department of Preventive Medicine, UTHSC  
66 N. Pauline Street, Suite 633  
Memphis, TN 38105



The University of Tennessee Health Science Center

## College of Graduate Health Sciences

Department of Preventive Medicine

# MASTER OF SCIENCE IN EPIDEMIOLOGY



**Epidemiology:**  
the study of the  
distribution and determinants  
of health and disease  
in human populations--  
the basic science of  
public health,  
community medicine, and  
preventive medicine.

**Program Chair: Pamela D. Connor, Ph.D.**

**The Master of Science in Epidemiology** program is targeted at applicants already holding graduate or professional degrees but will consider other students. Program admission criteria include strength of academic credentials, maturity of interest, and fit with faculty interests. Minimum degree requirements include 30 credit hours of coursework, 6 credit hours of Master's research, and completion of an acceptable Master's thesis or project. The large faculty, including three Teaching Award winners, provides guidance in many research areas, including biostatistics, cardiovascular disease, clinical trials, community health, environmental epidemiology, exercise physiology, genetic epidemiology, gerontology, health economics, health services research, nutrition, osteoporosis, pharmacoepidemiology, psychosocial epidemiology, and risk assessment.

#### Minimum Admission Requirements:

- Bachelor's degree with a grade-point average of at least 3.0 on a 4.0 scale from an accredited college or university;
- Official academic transcripts (international applicants must arrange for an independent educational equivalency evaluation company to submit an evaluation of their transcripts to UT at their own expense);
- An application form including 200-word-minimum essay with goal statement describing the applicant's area of interest in epidemiology;
- 3 letters of recommendation;
- GRE minimum verbal score of 500, minimum quantitative score of 500, and minimum analytical writing score of 3.5;\*
- TOEFL minimum score of 213 on the computer-based exam, or 79 on the Internet-based exam, for applicants whose first language is not English.

To apply, submit an application form and arrange for official transcripts, GRE scores (also TOEFL scores if international applicant), and 3 letters of recommendation to be submitted by **April 15** to the **Admissions Director, Office of Enrollment Services, UTHSC, 910 Madison Avenue, Suite 525, Memphis, TN 38163.**

\*Physicians licensed in the United States (and, under certain circumstances, persons with terminal degrees, such as a Ph.D.) may petition for waiver of the GRE.

Application forms and more details are available on the Internet at <http://www.utmem.edu/grad/>.

Costs and financial aid: See information at <http://www.utmem.edu/finaid/>.

#### TYPICAL CURRICULUM IN EPIDEMIOLOGY

##### First Year

##### Fall Semester

- BIOE 811:** Biostatistics I (3 credit hours)  
**BIOE 812:** Fundamentals of Epidemiology (3 hrs)  
**BIOE 813:** Fundamentals of SAS for Epid. (2 hrs)  
**BIOE 819 or 820:** Master's Seminar (1 hr)

##### Spring Semester

- BIOE 821:** Biostatistics II (3 credit hours)  
**BIOE 822:** Advanced Epidemiology (4 hrs)  
**Elective course** (3 hrs)

##### Second Year

##### Fall Semester

- BIOE 800:** Master's Thesis & Research (3 hrs)  
**or BIOE 804:** Master's Project (3 hrs)\*  
**Elective course** (3 hrs)  
**Elective course** (3 hrs)

##### Spring Semester

- BIOE 800:** Master's Thesis & Research (3 hrs)  
**or BIOE 804:** Master's Project (3 hrs)\*  
**Elective course** (3 hrs)  
**Elective course** (3 hrs)

\*For the project track, the student prepares a quantitatively based research article that must be approved by the student's faculty committee and must be submittable for publication in a professional, epidemiology-related, peer-reviewed journal. Regardless of track, students present their thesis or project research article in an announced forum with subsequent defense before the student's committee.

**Minimum Curriculum to Graduate: 36 credit hours, consisting of the core required courses (21 credit hours including the 6 total credit hours for BIOE 800 or 804), departmental elective courses (12-15 credit hours), and other elective courses (0-3 credit hours).**

#### Departmental Electives (examples)

- BIOE 810:** Independent Study  
**BIOE 814:** Health Behavior Theory & Intervention Design  
**BIOE 815:** Introduction to Public Health & Prev. Med.  
**BIOE 816:** Epidemiological and Clinical Methods in Bone Assessment  
**BIOE 817:** Epidemiology of Aging  
**BIOE 818:** Mixed Linear Models in Epidemiology  
**BIOE 819:** Master's Seminar  
**BIOE 820:** Seminar on Clinical Research in Special Populations  
**BIOE 823:** Randomized Clinical Trials  
**BIOE 824:** Genetic Epidemiology: Methods and Applications  
**BIOE 825:** Bioinformatics for Epidemiologists  
**BIOE 826:** Women's Health Seminar  
**BIOE 827:** Introduction to Patient-Oriented Research  
**BIOE 831:** Measurement in Epidemiology  
**BIOE 840:** Special Topics  
**BIOE 851:** Health Services Research  
**BIOE 861:** Pharmacoepidemiology  
**BIOE 862:** Advanced Categorical Data Analysis Techniques for Epidemiology

#### Other Electives (examples)

*Offered at UT Health Science Center:*

- HSA 810:** Fundamentals of Health Care Systems & Policy  
**IP 801:** Integrity in the Conduct of Scientific Research

*Offered at the University of Memphis:*

- ANTH 6511:** Medical Anthropology  
**ANTH 7521:** Biocultural Epidemiology  
**HPRO 7182 (FITW 7182):** Health Promotion  
**GEOG 6502:** Computer Cartography  
**HADM 7109:** Health Administration Info. Systems  
**PSYC 7307:** Models of Program Evaluation  
**SOCI 7851:** Medical Sociology

For more information, contact Elizabeth Webb at telephone # 901-448-5118, fax # 901-448-7041, e-mail [ewebb@utmem.edu](mailto:ewebb@utmem.edu) or write to the

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**Program Chair: Pamela D. Connor, Ph.D.  
 Program Coordinator: Elizabeth Webb, M.A.**

**Chair, Department of Preventive Medicine:  
 Grant W. Somes, Ph.D.**