



# **COLLEGE OF GRADUATE STUDIES**

The University of Toledo



## TAKING IT TO THE **NEXT LEVEL**

You've received your undergraduate degree and want to build on that foundation — moving from basics to mastery.

You've spent some time in the job market and want something different — a promotion or a change of fields.

You've focused in a general topic area and want to get more in-depth — to become an expert in your chosen discipline.

No matter which situation you are in, the College of Graduate Studies at The University of Toledo is here to take your education, research and career to the next level.

The College of Graduate Studies offers more than 150 degree and certificate programs that span the disciplines — from English to engineering, from criminal justice to cellular biology.

Our faculty are world-renowned for their research. They're sought by state and national government, non-profit organizations and Fortune 500 companies for their expertise. In fact, UT has almost \$60 million in research and grants and 125 patents — plenty of opportunities for you to become involved and get funded.

And with the College of Graduate Studies' day, evening and weekend courses, part- and full-time options in many programs, and one of the largest distance-learning programs in the country, you can often tailor your studies to meet your schedule.

We invite you to join the more than 3,000 students in the College of Graduate Studies at The University of Toledo.

## PROGRAMS OF STUDY

The College of Graduate Studies programs are offered through nine colleges on two campuses — Main Campus, the largest of UT's campuses, and the Health Science Campus, home to many health science programs and The University of Toledo Medical Center hospitals and clinics.

### College of Arts and Sciences

- Biology\*
  - Cell-Molecular Biology
  - Ecology and Organismal Biology
- Chemistry\*
- Economics
- English
  - English as a Second Language
  - Literature
- Foreign Languages
  - French
  - German
  - Spanish
- Geography
- Geology
- History\*
- Liberal Studies
- Mathematics\*
- Music
- Philosophy
- Physics\*
  - Astrophysics
  - Material Science
  - Medical Physics
- Political Science
- Psychology\*
- Public Administration
- Sociology
- Certificate in
  - Communication Studies^
  - Geographic Information Systems and Applied Geographics^
  - Health-Care Policy and Administration^
  - Municipal Administration^
  - Teaching of Writing^

### College of Business Administration

- Accounting
- Administration
- Finance
- Human Resource Management
- Information Systems
- International Business
- Management
- Manufacturing Management~
- Marketing
- Operations Management

### Judith Herb College of Education

- Art Education
- Career and Technical Education
- Curriculum and Instruction\*~
- Early Childhood Education PreK-3
- Educational Administration and Supervision~
- Educational Psychology\*~
- Educational Research and Measurement\*~
- Educational Sociology\*~
- Educational Technology and Media\*~
- Educational Theory and Social Foundations\*~
- Education and Anthropology
- Education and Biology
- Education and Chemistry
- Education and Classics
- Education and Economics
- Education and English
- Education and English as a Second Language
- Education and French
- Education and Geology
- Education and German
- Education and History
- Education and Mathematics
- Education and Physics
- Education and Political Science
- Education and Sociology
- Education and Spanish
- Elementary and Early Childhood Education (PreK-6)\*~
- Health Education
- Higher Education\*~
- History of Education\*~
- Middle Childhood Education (Grades 4-9)
- Music Education
- Philosophy of Education\*~
- Physical Education
- Research and Measurements\*~
- Secondary Education (Grades 9-12)
  - English
  - Mathematics Education
  - Science Education
  - Social Studies Education
- Special Education\*~
- Special Education (Gifted Emphasis)\*

## College of Engineering

Bioengineering\*  
Chemical Engineering\*  
Civil Engineering\*  
Computer Science  
Electrical Engineering\*  
Industrial Engineering\*  
Masters of Engineering (part-time program)  
Mechanical Engineering\*

## College of Health Science and Human Service

Contemporary Gerontological Practice^+  
Counselor Education\*

- Community Counseling
- School Counseling

Criminal Justice

- Juvenile Justice^
- Severe Behavioral Spectrum^

Exercise Science/Kinesiology\*

- Applied Biomechanics
- Athletic Training
- Clinical Kinesiology
- Exercise Physiology

Health Education\*  
Human Donation Sciences^+  
Occupational Therapy+  
Physical Therapy~+  
Physician Assistant+  
Recreation and Leisure

- Recreation Administration
- Therapeutic Recreation

School Psychology  
Social Work  
Speech Language Pathology

## College of Law

Master of Studies in Law

## College of Medicine

Bioinformatics and Proteomics/Genomics+  
Cancer Biology\*+  
Cardiovascular and Metabolic Diseases\*+  
Infection, Immunity and Transplantation\*+  
Medical Physics+  
Medical Sciences+  
Molecular and Cellular Biology\*+  
Molecular Basis of Disease\*+  
Neurosciences and Neurological Disorders\*+  
Occupational Health+  
Oral Biology+  
Orthopedic Sciences+  
Public Health+  
Radiation Oncology+  
Radiological Sciences (Radiation Oncology)+  
Radiology (Diagnostic)+  
Urological Sciences+

## College of Nursing

Adult Nurse Practitioner^+  
Family Nurse Practitioner^+  
Masters of Science in Nursing+

- Adult Nurse Practitioner and Clinical Nurse Specialist
- Clinical Nurse Leader — Graduate Entry MSN (for unlicensed individuals)
- Family Nurse Practitioner
- Pediatric Nurse Practitioner
- Psychiatric-Mental Health Clinical Nurse Specialist
- Nurse Educator

Nurse Educator^+  
Pediatric Nurse Practitioner^+  
Psychiatric-Mental Health CNS^+

## College of Pharmacy

Doctor of Pharmacy\*  
Administrative Pharmacy  
Industrial Pharmacy  
Medicinal Chemistry\*  
Pharmacology Toxicology

\*Denotes terminal degree offered

+Denotes admitting office on Health Science Campus

~Denotes doctorate or clinical doctorate program offered

^Denotes certificate programs

To ensure full consideration for admission and financial aid, the College of Graduate Studies recommends that all materials for fall admissions be received by January 15. However, each program establishes its own time line for application review. To ensure compliance, please contact the program.

For specific admission information and test requirements, please visit [www.gradschool.utoledo.edu/apply.htm](http://www.gradschool.utoledo.edu/apply.htm).

## OUTSTANDING TEACHERS AND RESEARCHERS

In addition to top-notch programs, the College of Graduate Studies offers you the opportunity to learn from and work with its distinguished faculty.

The College of Graduate Studies faculty members are expert teachers who are ready to mentor you in the classroom and in your advanced studies. They teach small course sections, often with less than 10 students, to give you personalized attention. And their doors are always open, so you can stop by and chat.

The College of Graduate Studies faculty also select students to be part of their research teams, as well as mentor students in their own research projects.

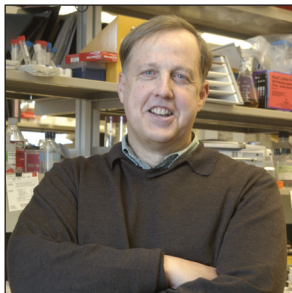
You could take part in research funded by prestigious organizations and businesses such as:

- American Chemical Society
- BP Amoco
- Coca-Cola
- DaimlerChrysler
- Dana Corporation
- Davis-Besse
- Dow Chemical
- NASA
- National Institute of Allergy and Infectious Disease
- National Institutes of Health
- National Multiple Sclerosis Society
- National Science Foundation
- National Security Agency
- National Writing Project
- Ohio Department of Rehabilitation
- Ohio Humanities Council
- Owens Illinois
- Pepsi-Cola
- Pfizer
- U.S. Army
- U.S. Department of Agriculture
- U.S. Department of Education
- U.S. Environmental Protection Agency
- U.S. National Park Service

## PROFILES IN **FACULTY RESEARCH**

Faculty in the College of Graduate Studies are engaged in research at the forefront of national attention. They're making breakthroughs in the lab, challenging accepted theories, and working to solve society's problems.

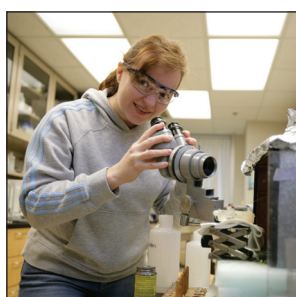
- **Dr. David Giovannucci**, neurosciences, uses real-time electrophysiological and optical methods to investigate how intracellular signaling molecules control the release of peptide neurotransmitters and hormones that regulate the function of neurons, the heart, and the digestive tract.
- **Dr. Richard Komuniecki**, biological sciences, is identifying novel drug targets to control parasitic worms that cause billions of dollars in economic damage annually to crops, livestock and humans.
- **Dr. Lisa Kovach**, educational psychology, is working to eliminate bullying in schools through training children in the Preventing, Eliminating and Erasing Rejection in our Schools (PEERS) Program she developed.
- **Dr. Clinton Longenecker**, management, consults with businesses to help them figure out how best to motivate employees, encourage innovation, and enhance the bottom line.
- **Dr. Sonia Najjar**, physiology, pharmacology, metabolism and cardiovascular sciences, is an international authority on Type 2 diabetes, studying its interplay with obesity and fatty liver disease.
- **Dr. Walter Olson**, mechanical, industrial and manufacturing engineering, is part of a team developing hydraulic hybrid systems for heavy vehicles, such as trucks and buses.
- **Dr. Celia Williamson**, social work, is a nationally recognized expert on prostitution, working with police and researchers to improve the lives of those in the sex trade and get them off the streets.

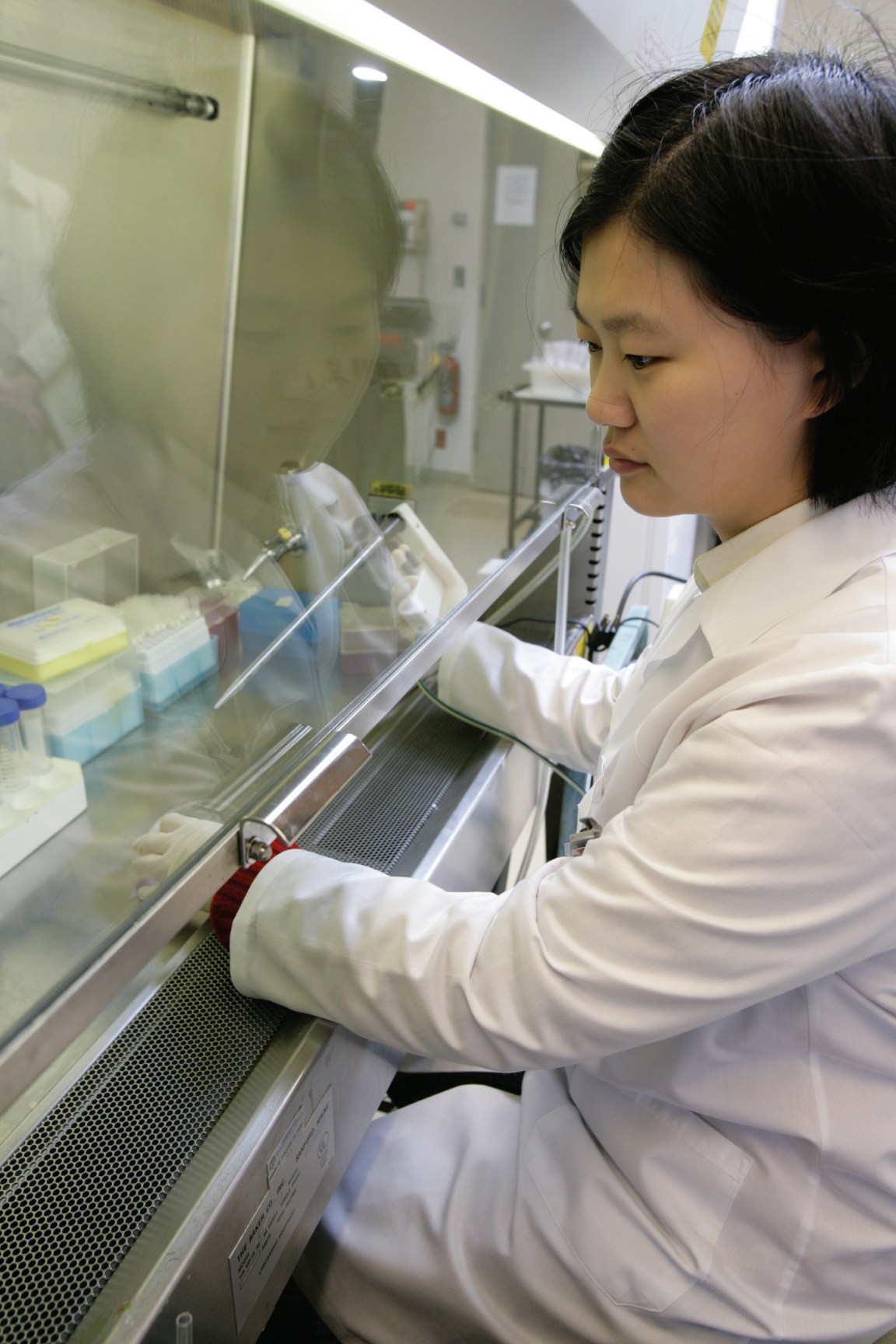


## PROFILES IN **STUDENT RESEARCH**

Students are in on the action, as well. The College of Graduate Studies is the perfect place to launch your professional research and publishing career. With the guidance of renowned faculty members and the support of UT's world-class facilities, there's no limit to what you can accomplish.

- **Dr. Mona Amer**, a master's and doctoral graduate in history, was the sole recipient of the 2005 APA Minority Fellowship Program postdoctoral Mental Health and Substance Abuse Services Training Fellowship upon graduation, serving at the Yale University Program for Recovery and Community Health.
- **Joaquin Gonzales**, a doctoral student in kinesiology, received a \$46,000 fellowship from the National Institutes of Health to study how specific exercises improve the health of blood vessels.
- **John Lazarus**, dual degree MD/PhD student in molecular and cellular biology, received a student travel award to the 2006 Inflammation in Chronic Disease conference at the Karolinska Institute in Stockholm, Sweden, to present his research on immune system clearance of pathogens that cause Lyme disease.
- **Mike Orra and Walter W. Schilling Jr.**, doctoral and master's students, respectively, in electrical engineering and computer science, each received \$10,000-plus fellowships from the Ohio Space Grant Consortium (OSGC) to fund their research.
- **Jennifer Timpe**, doctoral student in molecular basis of disease, received a predoctoral fellowship for \$101,745 from the National Institute of Allergy and Infectious Diseases to study how adeno-associated virus limits the growth of cancer cells.





## GETTING TO KNOW THE UNIVERSITY OF TOLEDO

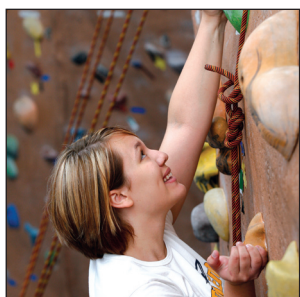
The College of Graduate Studies is the administrative home for graduate programs from nine colleges at The University of Toledo. The College of Graduate Studies is a key stakeholder in ensuring that The University of Toledo maintains its commitment to research and scholarship.

UT has six campuses throughout the Toledo region characterized by high-tech labs, classrooms with state-of-the-art technology, and various research centers including the Lake Erie Center.

With more than 200 cultural events each year, there's plenty to do on campus. You can join one of the student or professional organizations, such as the Graduate Student Association. You can attend a game in the Glass Bowl or a play in the Center for Performing Arts. Or you can spend time in the Student Recreation Center, a 151,000 square foot facility featuring pools, exercise equipment, a running track and sports courts.

A variety of cuisine is available on campus at one of the many dining venues. The Student Union features Subway, KFC, Magic Wok, Pizza Hut, Backyard Burger, Starbucks, and a smoothie and grill station. You also can find sit-down dining in Libbey Hall, the original student union from 1935; a Mexican restaurant in Carter Hall; a sandwich, soup and salad café in Ottawa House; and all-you-care-to-eat facilities in the Horton International House, the Crossings, Ottawa House and Parks Tower.

The University of Toledo has a diverse offering of student housing options, including suite-style and traditional residential halls. Housing is offered to graduate students through Residence Life or contracted individually off-campus by the student. There are plenty of affordable, high-quality apartments and traditional homes for rent within walking distance of the Main and Health Science Campuses.





## THE CITY OF TOLEDO A VIBRANT COMMUNITY

Northwest Ohio is about small neighborhoods, big festivals, one-of-a-kind stores and great places to hang with your friends. You'll find our famous Midwest hospitality in mid-sized cities such as Toledo — as well as world-class shopping and ethnic restaurants. Have a relaxing day at the bay or discover exciting hot spots to fuel your nightlife.





## INVESTING IN YOU

The College of Graduate Studies has numerous scholarships, internships and assistantships available to help you finance your education. In fact, more than one-third of our students receive funding through these sources.

Learn more about scholarships, applying for internships and graduate assistantships at <http://gradschool.utoledo.edu>.

