what’s our mission?

It’s simple: to improve the human condition. We do this by providing a world-class education for you (the next generation of physicians and scientists), by creating new knowledge that is translated into cutting-edge clinical practice, and by providing the highest level of professionalism and compassion as we deliver university-quality health care.

OUR POINTS OF PRIDE

• As a medical student, you will be connected with the UT Medical Center through your studies and clinical experiences. U.S. News and World Report named UTMC as the best hospital in the Toledo metro area for 2011-12. UTMC was listed as a high performer in:
  • Ear, Nose and Throat
  • Geriatrics
  • Kidney Disorders
  • Neurology and Neurosurgery
  • Orthopedics
  • Pulmonology
  • Urology
• More than 4,200 doctor of medicine degrees have been conferred since the first class of medical students graduated in 1972.
• Our college offers immediate, hands-on experience in our state of the art Ruth M. Hillebrand Clinical Skills Center and UT-ProMedica Interprofessional Immersive Simulation Center™.
• Our students are involved in the community through activities such as the Community Care Clinic and the Student-to-Student Program.
• Our students have recently had some of the highest passing rates in school history for the USMLE — Step 1 (98%), Step 2 Clinical Knowledge (98%), and Step 2 Clinical Skills (96%). They’ve also surpassed the national mean score on both of the knowledge-based exams.
• Our students recently obtained highly competitive residencies in 19 different medical specialties in 33 states across the country.
• Our academic testing center — where students can take USMLE Steps I, II and III — is one of only eight centers nationwide located on a medical school campus.
• Our college enrolls broadly diverse applicants and sponsors pipeline programs for undergrad and high school students such as MedStarz, Summer Undergraduate Research Fellowship, Toledo Starz, and REACH.
• Our dean regularly meets with medical students in small groups to discuss their issues and concerns.
degree offerings
The UT College of Medicine and Life Sciences offers a number of educational programs, including dual degrees.

- MD degree
- MD/PhD degree track with programs in:
  - Cancer biology
  - Cardiovascular and metabolic disease
  - Infection, immunity and transplantation
  - Neurosciences and neurological disorders
- MD/MSBS degree with programs in:
  - Bioinformatics and proteomics/genomics
  - Cancer biology
  - Cardiovascular biology and metabolic disease
  - Infection, immunity and transplantation
  - Neurosciences and neurological disorders
  - Orthopedic sciences
- MD/MS degree in occupational health
- MD/MPH program with majors in:
  - Environmental and occupational health and safety sciences
  - Health promotion and education
  - Health administration
  - Epidemiology
  - Nutrition
- MD/MBA program

Read more about our educational programs at utoledo.edu/med
an overview of medical school course work

YEARS ONE AND TWO
Here are courses you could take during your year one:

- Cellular and molecular biology
- Human structure and development
- Neuroscience
- Behavioral science
- Clinical decision making I

In year two, you’ll build on that foundation with courses in:

- Immunity and infection
- Organ systems
- Clinical decision making II

In years one and two, you’ll build on these base courses with these elective opportunities:

- Autopsy
- Child advocacy
- Emergency medicine scribe program
- Family care giving aspects of dementia
- Interprofessional leadership
- Introduction and orientation to Hospice of Northwest Ohio
- Introduction to clinical neurology
- Introduction to orthopedic research
- Introduction to rural and urban medicine
- Introduction to surgery
- Laboratory medicine vignettes
- Medical Spanish
- Pediatric longitudinal experience
- Pioneering healthier communities
- Student to Student
- The history of medicine
- Wilderness medicine

YEAR THREE
The goal of our third-year curriculum is to prepare students for graduate medical education, which a student enters immediately upon graduation from medical school.

The clinical clerkships are completed at The University of Toledo Medical Center and other local teaching hospitals. Students may also do their required clerkships at specific sites in Columbus, Ohio, southern Michigan and Detroit.

Required Third Year Clinical Clerkships

- Bridge Course (one week) helps students transition into clerkships. It includes about 20 hours of didactic sessions followed by small group breakout sessions.
- Family Medicine (five weeks) allows students to develop the basic knowledge and skills essential to the practice of primary care and preventive medicine.
- Internal Medicine Clerkship (10 weeks) gives students in-depth study of the health matters affecting adult patients in both inpatient and outpatient settings.
- Neurology (five weeks) lets students develop the skills to acquire a complete and detailed neurological history and to complete a comprehensive neurological exam.
- Obstetrics and Gynecology (five weeks) provides an environment for students to master knowledge of reproductive physiology, anatomy, management of pregnancy and the common gynecologic problems.
- Pediatrics (five weeks) prepares students for the care of the unique problems that affect infants, children and adolescents.
- Psychiatry (five weeks) features a curriculum to prepare students to understand and manage the common mental health problems affecting our society.
- Surgery (10 weeks) is an opportunity to learn the fundamentals of surgical concepts. While students won’t gain significant operative technical skills, they are welcomed into the operating room as active participants in the operative management of patients.
- Third Year Electives (four weeks) - This unique feature allows students to rotate in varied disciplines such as ophthalmology, radiology, pathology, ENT, emergency medicine, orthopedics, anesthesia, dermatology and urology. Additional internal medicine and surgery sub-specialties are available once core clerkship experience has been completed.

utoledo.edu/med
The fourth year of elective clerkships consists of 44 weeks, including a basic science elective requirement and a required Acting Internship. Students have an opportunity for a broad spectrum of elective clerkship choices, including opportunities for clinical research and public health electives.

A minimum of 12 weeks of elective clerkships must be taken at The University of Toledo College of Medicine and Life Sciences or its affiliated locations. Other fourth-year medical school electives can be completed at any medical school in the United States or Canada with the approval of a sponsoring department at UT. In addition, students can participate in global health electives at locations such as:

- Addis Ababa, Ethiopia
- Amman, Jordan
- Beijing, China
- Chengdu, China
- Shanghai, China
- Delhi, India
- Kitwe, Zambia
- Manila, Philippines

All students complete a minimum of eight weeks of clerkships in a rural Area Health Education Center (AHEC), which includes Bryan Area Health Education Center, Lima Area Health Education Center and Sandusky Area Health Education Center. The regional centers work with schools, health departments and organizations to address specific health care concerns of the communities.

Many of our students say this experience is so rewarding, as they spend a lot of one-on-one time with the preceptor and get a sense of day-to-day medical practice issues away from the academic medical center. Many hospitals provide free housing and reduced cost meals for AHEC students.

We offer a number of residency and fellowship opportunities including:

**Residency**
- Anesthesiology
- Emergency medicine
- Family medicine (through St. Luke’s Hospital)
- Internal medicine
- Neurology
- Obstetrics and gynecology
- Orthopedic surgery
- Pathology – anatomic and clinical
- Pediatrics
- Physical medicine and rehabilitation
- Psychiatry
- Radiology – diagnostic
- Surgery
- Urology

**Fellowship**
- Cardiology
- Child and adolescent psychiatry
- Geriatric medicine (through St. Luke’s Hospital)
- Infectious disease
- Interventional cardiology
- Medical oncology
- Nephrology
- Pulmonary disease and critical care medicine
- Sleep medicine

Learn more online at [utoledo.edu/med/md](http://utoledo.edu/med/md)
academic and clinical centers
**RUTH M. HILLEBRAND CLINICAL SKILLS CENTER**

- The Ruth M. Hillebrand Clinical Skills Center is a facility for student training and assessment with standardized patients.
- Our students begin practicing interviewing skills in their first year at the center, culminating in developing, supporting and defending a diagnosis. By the third year, our students participate in rotation-based Objective Structured Clinical Evaluations, which are designed to model the Step 2 CS USMLE board certification taken after the completion of the third year clerkships.

**ACADEMIC TESTING CENTER**

This center provides a huge convenience for our students, in that they do not have to travel elsewhere to take their National Board Examinations computer-based test (USMLE steps I, II and III). We are one of only eight schools in the country that offer this on campus.

The center has been designed to be the optimum environment for our students to perform at their personal best, with amenities such as stress-relievers, television, kitchen and lounge areas, and convenient parking.

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**Ruth M. Hillebrand Clinical Skills Center**

**Career Advising**

We are committed to helping our students succeed at medical school and once they graduate. We offer career-planning sessions throughout all four years of medical school, in addition to individualized counseling, referrals regarding career planning and personal counseling.

**THE UNIVERSITY OF TOLEDO – PROMEDICA INTERPROFESSIONAL IMMERSIVE SIMULATION CENTER™**

This center houses a comprehensive range of state-of-the-art technology to allow our students to simulate working as members of an interdisciplinary medical team and to practice their skills on high-tech simulation models.

We also are among the first health science campuses in the nation to incorporate I-Space™ – a four-sided virtual immersive room, which can create virtual images to allow students to travel through the heart of a human body or experience being inside a human blood cell.
ways to enhance your education

Our college offers more than 35 different student organizations and activities. We have everything from the American Medical Association to things like Students for Medical Missions and the Scribe Program.
THE STUDENT-TO-STUDENT PROGRAM

Our students enjoy taking part in this program, whereby they visit local elementary, junior high and high schools to talk about health-related topics.

THE COMMUNITY CARE CLINIC

Many of our students choose to volunteer at this clinic, which delivers free, convenient, quality health care to the underserved populations in the Toledo community.

SUMMER EDUCATIONAL OPPORTUNITIES FOR MEDICAL STUDENTS

After the first year of medical school, many of our students take part in these paid opportunities:

• **Community Health Project**: Students work with local social service agencies.

• **Family Practice Preceptorship**: Students learn the basics at a family practice office in a rural/underserved area.

• **Medical Education Preceptorship**: Students help the gross anatomy faculty to prepare prosected (i.e. pre-dissected) specimens and brief lesson plans.
The University of Toledo is a leading research institution, with more than $28 million in awards annually in the College of Medicine and Life Sciences.
Recently funded projects in our college include:

• Digitalis-induced signaling by cardiac Na+/K+-ATPase
• Immune response to Pneumococcal vaccine in HIV infected adults
• Targeted treatments for invasive CNS tumors
• Dissecting the mechanism of tamoxifen action
• The role of complement proteins in cardiovascular disease
• Preclinical development of a Tularemia vaccine
• Cardiovascular outcomes for renal atherosclerotic lesions (CORAL)
• Genetic elements controlling blood pressure
• CEACAM and insulin action
• Human melanoma: Early biomarkers/targets of progression and prevention

SUMMER RESEARCH PRECEPTORSHIP FOR MEDICAL STUDENTS

We offer a variety of paid, summer research experiences following students’ first year of medical school. They can work side-by-side with a faculty member, performing a variety of lab or clinical techniques and experiments. Recent projects include:

• The incidence and outcomes of intraparenchymal kidney disease in a renal artery stent trial
• The role of CD47-SIRPalpha interactions in xenotransplantation
• Pain scores among ED patients: comparison by ED diagnosis
• A review and discussion of ethical issues related to paired kidney exchanges and chain kidney transplantation
• Communication with patients in spinal immobilization
The University of Toledo, founded in 1872, is an institution of excellence committed to improving the human condition through learning, discovery and engagement.
The student-centered, public metropolitan research university features 20,000 students, 7,000 employees, 120,000 alumni, 16 NCAA Division 1 athletic teams, and picturesque campuses recognized nationally for their beauty.

UT has more than 230 undergraduate, graduate and professional programs in the colleges of:

- Adult and Lifelong Learning
- Business and Innovation
- Education, Health Science and Human Service
- Engineering
- Graduate Studies
- Honors
- Innovative Learning
- Law
- Language, Literature and Social Sciences
- Medicine and Life Sciences
- Natural Sciences and Mathematics
- Nursing
- Pharmacy and Pharmaceutical Sciences
- Visual and Performing Arts

The College of Medicine and Life Sciences is located on UT’s Health Science Campus, which is home to graduate health programs and the UT Medical Center, a Level 1 trauma center, offering innovative treatments for strokes and cancer found nowhere else in the state. Among the new facilities at the UT Medical Center are the Orthopedic Center, the Heart and Vascular Center, the Emergency Room, the George Isaac Minimally Invasive Surgery Center, and new dining areas.
Known as the “Glass City,” Toledo is full of exciting events, cultural organizations, tasty restaurants, affordable housing and more.
Within walking distance from the Health Science Campus are numerous student-friendly, affordable apartment complexes and properties for rent.

We also have a bus system that runs between UT’s campuses, as well as shuttle stops for the Toledo-area bus system.

**Within 20 minutes of campus, you’ll find:**
- Westfield Franklin Park Mall, featuring hundreds of stores, national restaurant chains, movie theaters and more
- Westgate Shopping Center, featuring a Costco, Fresh Market, Sonic drive-in, Five Guys Burgers and Fries, Chipotle and more
- The Toledo Museum of Art
- Toledo Ballet
- Toledo Symphony Orchestra
- Toledo Opera
- Toledo Botanical Gardens
- Toledo Zoo
- Mud Hens AAA Baseball
- Toledo Walleye EHCL Hockey
- Metroparks of Toledo

**Within an hour and a half drive of campus, there are:**
- Cedar Point Amusement Park, frequently named the world’s best amusement park
- Maumee Bay State Park
- The Lake Erie island of Put-In-Bay
- Detroit International Airport
- DTE Energy Music Theatre
- IKEA
- Cabella’s and Bass Pro Shop
diversity

The College of Medicine and Life Sciences is a community of diverse, life-long learners who embrace diversity.
We seek to create and sustain an environment in which all members remain aware of and strive to achieve their best potential when relating to patients, learners and colleagues from diverse racial, cultural and ethnic backgrounds.

We are committed to increasing opportunities for individuals underrepresented in medicine and those from disadvantaged backgrounds. The Admissions Office works in cooperation with the Office of Faculty and Student Diversity, and the Office of Student Affairs and other campus departments in the recruitment, selection and retention of qualified students.

**Pipeline Programs for Undergraduate Students**
- The MedStarz Program
- Summer Undergraduate Research Fellowship (SURF)

**Pipeline Programs for High School Students**
- The CampMed Program
- The Toledo Starz Program
- Research Experience and Awareness of Clinical Health (REACH) Program

### ADMISSIONS AND SCHOLARSHIPS

The UT College of Medicine participates in the American Medical College Applications Services (AMCAS) program. Applicants must submit their application at [aamc.org/students/applying/amcas](aamc.org/students/applying/amcas) from June 1 through November 1.

**Requirements for admission** include:
- A baccalaureate degree
- MCAT scores (unless the student is accepted through our early assurance MEDStart Program or through a UT direct from high school acceptance program)
- A UT secondary application
- Letters of recommendation

We offer more than 20 scholarships to incoming students, as well as nearly 30 scholarships to continuing students. Our Financial Aid Office is here to assist students in applying for loans, grants and other forms of aid, as well.