



COLLEGE OF MEDICINE
AND LIFE SCIENCES

THE UNIVERSITY OF TOLEDO

MSBS in Medical Sciences

College of Graduate Studies
Health Science Campus
University of Toledo

MSBS in Medical Sciences (MSBS-MS) is a one-year program designed to train students in foundational medical sciences. The 2017-2018 academic year represents a complete redesign of the former MSBS-MS program with renewed emphasis on the core-teachings of pathophysiology of disease. The program has been conceived with three primary objectives:

1. Provide clinically relevant, medical and graduate-level education to students who wish to boost their academic standing, towards a long-term goal of pursuing a career in medicine.
2. Create strong foundations for improved performance in any MD/DO-curriculum, and USMLE step 1 and step 2 exams.
3. Provide basic and clinical research opportunities to broaden student perspective and strengthen their overall portfolio.

This advanced-foundational graduate program provides a unique opportunity for the graduate students to train along-side medical students (9 credits, multiple modules) and gain meaningful clinical and/or basic science research experience. The newly redesigned course also emphasizes an organ-systems based approach where clinical and graduate faculty train students in the pathophysiology of disease. This is a graduate-level course that incorporates materials taught to medical students during their first and second years, and provides foundational information for the MD curriculum. Also, pathophysiology of disease is a significant portion of the USMLE exams and its inclusion in our new MSBS-MS curriculum has the potential to increase our student-scores in step 1 and step 2.

UT's large basic and clinical-science faculty will guide students through their year-round assignment on clinical or basic research. This is an opportunity for students to learn the tenants of investigational sciences, widen their scope beyond clinical practice, and provide a strong addition to their portfolios. Students completing this program with strong academic performance will have confirmed their ability to perform in any medical school curriculum, and therefore greatly strengthen their overall admissions package.

The MSBS-MS program will also provide students with significant insights into the medical school interview process with mock interview sessions and guidance from faculty on the MD-admissions committee. **Guaranteed medical school interview at the University of Toledo College Of Medicine for students with good academic standing, demonstrates our confidence in the competitiveness of the program and reasserts our commitment to high quality of medical education.** Students who successfully complete the program will also be awarded the Masters in Biomedical Sciences-Medical Sciences (MSBS-MS). Completion of this degree is a requirement, but not a guarantee of admission into the MD degree program at the University Of Toledo College Of Medicine. Students who subsequently gain admission to the MD degree program will be required to complete a criminal background check prior to matriculation.

If you have previously applied to the MD degree program at the University of Toledo College of Medicine, and wish to re-apply while completing the MSBS-MS program, you will need to submit a new application to the medical school.

UT-College of Medicine

The UT College of Medicine and Life Sciences is a student-centered, world-class educational institution for those interested in healthcare and biomedical research. Our highly qualified faculty and integration of research, education and patient care will prepare you with the knowledge, skills and attitudes for highly competitive careers. And not only is the College of Medicine located next to several hospital and specialty clinics, our world-class Simulation Center provides an interactive and formative educational experience for students, residents in graduate medical education training programs, and health-care professionals to hone their personal and empathic skills, as well as their diagnostic and problem-solving techniques. Most of all, our easily accessible faculty members are dedicated to providing you with an exceptional educational experience.

BELOW ARE ANSWERS TO COMMONLY ASKED QUESTIONS:

When and how do I apply to the MSBS-Medical Sciences program?

There is no deadline for this program as application files will be reviewed as they are completed. Applications will be accepted until all seats are filled. ****Completed applications will be reviewed on a rolling basis and seats will be filled in multiple phases.****

If you would like to apply, go to <http://apply.utoledo.edu>

Select the **Application Type: “Graduate App”**, enter in all the requested information.

Select from the **Program of Study** drop down box – “**MSBS – Medical Sciences**”

**If you have trouble filling out this online application, please contact College of Graduate Studies at 419-530.4723. Mailing Address: The University of Toledo, College of Graduate Studies, 2801 W Bancroft St. MS 933 Toledo, Ohio 43606.*

What if I have already applied to the University of Toledo Medical School?

Applying to the MSBS Medical Sciences Program will have no influence on the status or outcome of your current UT Medical School Application. If you are accepted into the MSBS program you may withdraw your acceptance up until the start of the program (mid-August) should you be offered a position in a medical class. If you have an AMCAS application already filed for the University of Toledo Medical School you can send an email to Philip.henderson@utoledo.edu giving him permission to access your medical school application. The AMCAS file will be used to complete your resume, statement of purpose, letters of recommendation and MCAT score application requirements. You will still need to submit official transcripts directly to the College of Graduate Studies.

How do I check my application status?

You can check your application status online <http://application.utoledo.edu>; it will indicate whether your application is complete or incomplete and will indicate what documentation is missing from your file if applicable.

WHAT ARE THE ADMISSION CRITERIA?

- **Applicant must be a U.S. Citizen or a Permanent Resident (possess a green card at the time of application)**
- **Baccalaureate degree from an accredited college or university**
 - All prerequisites required for medical school must be completed prior to admission into the MSBS-MS program
- **Official MCAT score**
 - An MCAT exam score less than 3 years old is an essential component of the application
 - An average MCAT score of 28 or higher is recommended
 - An average MCAT score of 500 on the new MCAT or higher is recommended
- **Official Undergraduate transcripts confirming degree and transcripts from all the colleges/universities you have attended.**
 - Submitted directly to The University of Toledo, College of Graduate Studies, 2801 W Bancroft St. MS 933 Toledo, Ohio 43606
 - Electronic transcripts sent from the institution to the College of Graduate Studies are acceptable
 - GPA of 3.0 or greater is requisite

- **One letter of recommendation**
 - Committee recommendation letters are accepted with all signatures
 - Recommendation letters must be on letterhead and include your full name
 - Letters may be sent one of the following ways:
 - ✓ Recommenders send the letters directly to the College of Graduate Studies
 - ✓ Interfolio
 - ✓ Recommenders may directly upload their letters of recommendation

- **Personal statement**
 - Personal Statements submitted from your AMCAS application are acceptable. A new career goals personal statement is required for the MSBS-MS application if you do not already have an AMCAS statement.
 - Personal Statements must include your full name

- **University of Toledo College of Graduate Studies application**
 - <http://apply.utoledo.edu/>. Choose Masters of Science in Biomedical Science in the degree program drop box under College of Graduate Studies, choose Medical Sciences in the concentration or major drop box, click begin application, and fill in all requested information.

- **\$45 Application Fee**
 - Your application will not be processed until this fee is submitted

- **Please note:** If you have already applied to UT Medical School you must submit written authorization to the College of Graduate Studies in order for them to access your records. Please do not make this request until you have submitted your application and fee. This written request can be done via e-mail to College of Graduate Studies at graduateonlineapplication@utoledo.edu

ARE INTERVIEWS REQUIRED AS PART OF THE APPLICATION PROCESS?

No, interviews are not required but you are welcome to visit our campus. If you would like to set up a tour of our campus, you should contact Anita Easterly , MA Program Coordinator Anita.Easterly@utoledo.edu.

WHAT IS THE AVERAGE MCAT SCORE OF THE 2017 ENTERING MSBS-MS CLASS?

500

WHAT IS THE AVERAGE GPA OF THE 2015 ENTERING MSBS-MS CLASS?

3.44

HOW MANY STUDENTS ARE ACCEPTED INTO THE MSBS PROGRAM, BEGINNING FALL OF 2016?

Maximum of 60 students will be accepted

IS HOUSING AVAILABLE ON CAMPUS?

The UT Health Science Campus does not have housing, but campus housing is available on UT's Main Campus, located approximately 10 minutes away. Campus housing information can be accessed at <http://www.residencelife.utoledo.edu>. Private apartments are available within walking or 5-10 minute driving distance of the Health Science Campus. You can access information by visiting www.forrent.com.

WHAT IS THE COST OF THE PROGRAM?

Below are the costs for the 2017-18 academic year.

Full-time tuition & fees for one-year program

(37 credit hour)

	<i>37 credit hour-1 year program</i>	<i>Per Credit Hour</i>
Tuition	\$26,491.20	\$662.28
Out of state Surcharge	\$26,645.20	\$666.13
General Fee 12/9 hour max	Fall & Spring/Summer	\$49.60/\$29.76

Additional Fees

Liability Insurance	\$12.00 (fall/ spring) \$8.00 (summer)
Special Service Fee	\$ 6.50
Registration Fee	\$30.00 (fall semester only)
Rocket ID Fee	\$35.00 (fall semester only)
Facility Fee	\$62.40 (fall/ spring)
Parking	\$125.00
Library Info Resource	\$85.00 (fall) \$70.00 (spring) \$45.00 (summer)
Graduate Orientation	\$100.00 (fall only)
General Fee	\$595.20 (fall/ spring) \$267.84 (summer)

Optional Fees (can be waived online)

Health Insurance	\$1,457.00 (fall) & \$2, 1733.00 (spring/ summer)
Legal Service Fee	\$ 10.00

CONTACTS

Student Service Center: 419-383-3600

This program is approved for federal financial aid. All students are encouraged to file a Free Application for Federal Student Aid (FAFSA)

WHO IS THE ADVISOR FOR THE MSBS PROGRAM?

Guillermo Vazquez, Ph.D., Associate Professor in the Department of Physiology and Pharmacology, College of Medicine and Life Sciences. If you have any questions, you may contact him by email, Guillermo.Vazquez@utoledo.edu. His Program Coordinator Anita Easterly, MA can also be reached at

Anita.Easterly@utoledo.edu.

WHAT DOES THE YEAR SCHEDULE CONSIST OF?

Semester	Course	Credits	
Fall	Molecular Cell Biology	7	Clinical/ Basic Science research (8 credits)
	Concepts in Anatomy and Pathophysiology	3	
	Biostatistics	3	
	Research Project (10 hrs./week on the project)	1	
Spring	Research Project (10 hrs./week on the project)	1	
	Medical Microbiology and Immunology	4	
	Pathophysiology of Organ Systems: 1. Cardio-renal system 2. Respiratory system 3. GI, Endocrine and Reproductive systems 4. Neuroscience	10	
Summer	On being a scientist	1	
	Student seminar series	1	
	Research Project	6	
Total		37	