

GRADUATE DEGREES/ CERTIFICATES OFFERED

Graduate Degrees Offered

Doctor of Philosophy in Biomedical Science

- Cancer Biology (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/departments-divisions/cancer-biology/phd-biomedical-sciences/>)
- Molecular Medicine (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/departments-divisions/physiology-pharmacology/phd-biomedical-science-molecular-medicine/>)
- Medical Microbiology and Immunology (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/departments-divisions/medical-microbiology-immunology/phd-biomedical-science-medical-microbiology-immunology/>)
- Neurosciences and Neurological Disorders (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/departments-divisions/neurosciences/phd-biomedical-science-neuroscience-neurological-disorders/>)
- Bioinformatics (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/graduate-degrees-certificates-offered/bioinformatics-phd/>)

Doctor of Philosophy in Biomedical Engineering

See College of Engineering (<http://utoledo-public.courseleaf.com/graduate/engineering/>) catalog.

Master of Science in Biomedical Sciences

- Assistant in Pathology (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/departments-divisions/pathology/msbs-assistant-pathology/>)
- Bioinformatics and Proteomics/Genomics (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/graduate-degrees-certificates-offered/msbs-bioinformatics-proteomics-genomics/>)
- Biomarkers and Diagnostics (Professional Science Masters) (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/graduate-degrees-certificates-offered/msbs-biomarkers-diagnostics/>)
- Clinical Research (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/graduate-degrees-certificates-offered/ms-clinical-research/>)
- Molecular Medicine (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/departments-divisions/physiology-pharmacology/msbs-molecular-medicine/#requirementstext>)
- Medical Microbiology and Immunology (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/departments-divisions/medical-microbiology-immunology/msbs-medical-microbiology-immunology/>)
- Human Donation Sciences (Professional Science Masters) (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/departments-divisions/urology/msbs-human-donation-science/>)

- Medical Physics (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/departments-divisions/radiology-radiation-oncology/msbs-medical-physics/>)
- Medical Sciences (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/graduate-degrees-certificates-offered/msbs-medical-science/>)
- Oral Biology (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/departments-divisions/dentistry/msbs-oral-biology/>)
- Orthopedic Sciences (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/departments-divisions/orthopaedic-surgery/msbs-orthopedic-sciences/>)
- Physician Assistant Studies (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/departments-divisions/family-medicine/msbs-physician-assistant-studies/>)

Dual Degrees

- Doctor of Medicine and Doctor of Philosophy in Biomedical Sciences¹
Please go to this link for more information: <http://www.utoledo.edu/med/mdphd/pdf/2016%20UT%20MDPhD%20Handbook.pdf>
- Doctor of Medicine and Master of Science in Biomedical Sciences¹
- Doctor of Medicine and Master of Public Health¹

¹ Students must be accepted into the MD program first to be eligible for the dual degree (contact the College of Health Sciences for additional information about Master of Public Health requirements).

Additional Dual Degrees available in MD/JD (contact Medical School Admissions) and MD/MBA (<http://utoledo-public.courseleaf.com/graduate/business-innovation/departments-schools/dual-degrees/md-mba-dual-degree/>) (Refer to the College of Business and Innovation (<http://utoledo-public.courseleaf.com/graduate/business-innovation/>) catalog for additional information).

Graduate Certificates

- Certificate in Bioinformatics Proteomics/Genomics (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/graduate-degrees-certificates-offered/certificate-bioinformatics-biomarkers/>)
- Certificate in Pathology for Post Second Year Medical Students (<http://utoledo-public.courseleaf.com/graduate/medicine-life-sciences/departments-divisions/pathology/certificate-pathology-fellowship/>)

Accreditation

Graduate programs are accredited either by discipline-specific accrediting agencies or by the Higher Learning Commission of the North Central Association.

General Admission Standards

To be admitted to the Ph.D. or Master of Science in Biomedical Sciences (MSBS) Program, applicants must hold an earned baccalaureate (or equivalent) from an accredited college or university, and have a minimum overall GPA of 3.0 on a 4.0 scale. Typically, applicants will have an undergraduate major in Biology or a related discipline. In addition, Graduate Record Examination (GRE) scores are required in most programs of study (see individual degree programs for specific requirements). Minimum scores of the 50th percentile or above for

both Verbal and Quantitative scores and 4.0 (Analytical Writing Test) are recommended to be competitive for most degree programs. For international applicants, an appropriate test of English language proficiency is required. Scores from The Test of English as a Foreign Language (TOEFL) are accepted and a minimum iBT score of 80, or pBT score of 550 is required. Scores from The International English Language Testing Service (IELTS) are also accepted and a minimum score of 6.5 is required. A prior Masters degree is not required to enter the PhD program. At this time, all students accepted without provisions into the PhD in Biomedical Sciences program, and maintaining good academic standing, will receive a full tuition scholarship and a research stipend funded in whole or in part by the College of Graduate Studies and funding from a student's advisor through a grant(s). There are a limited number of tuition scholarships and stipends available for students in the Masters in Biomedical Sciences programs.