


<p>Name of Policy: College of Medicine & Life Sciences: Combined degree programs for medical students</p> <p>Policy Number: 3364-81-04-012-04</p> <p>Approving Officer: Dean, College of Medicine & Life Sciences</p> <p>Responsible Agent: Dual Degree Committee; Associate Dean, College of Medicine & Life Sciences graduate programs</p> <p>Scope: All University of Toledo Campuses</p>	 <p>Revision date: 7/1/24</p> <p>Original effective date: 08/25/85</p>
<p><input type="checkbox"/> New policy proposal <input type="checkbox"/> Minor/technical revision of existing policy</p> <p><input checked="" type="checkbox"/> Major revision of existing policy <input type="checkbox"/> Reaffirmation of existing policy</p>	

(A) Policy statement

This policy describes the application and admissions process for combined degree programs and delineates the overlaps in coursework or credit hours that students in combined degree programs can apply toward completion of both degrees.

(B) Purpose of policy

To describe program requirements for the combined MD/MSBS, MD/MPH, MD/MSOH, MD/MBA, MD/JD and MD/PhD-(BMSP), MD/PhD-(BME) degree programs.

In addition, clinical training during the graduate program years (8 hours/month), under the auspices of a faculty Clinical Mentor, is required. Four weeks of fourth year medical school clinical elective credit will be awarded (graded Pass/Fail, with a grade of Pass) for each 160 contact hours of well-documented clinical experience in this training (as approved by UTCOMLS curriculum committees). A maximum of 8 weeks credit is allowed. The training elective is called “Clinical Training for Dual Degree Medical Students during Graduate School Years” (IND745) and will appear on the student transcript upon completion of the graduate degree requirements and return to third year clerkships.

(C) Scope

This policy pertains to all combined (dual) degree programs for medical students.

(D) Procedure

Combined MD and Doctor of Philosophy (PhD) Degree in Biomedical Science Program:

Students interested in careers combining biomedical research with patient care may apply for admission to the combined MD/PhD program. This program integrates the standard medical school curriculum with graduate coursework and research experience that will prepare students to conduct independent biomedical research related to disease mechanisms as well as training them to be outstanding physician-scientists. Students admitted to this program will have demonstrated an interest in and aptitude for research prior to acceptance.

Students interested in the combined MD/PhD degree will initially apply to the MD program in the College of Medicine & Life Sciences, indicating the MD-PhD track on their application. The admissions process will include interviews by both clinical and basic science faculty in the College of Medicine & Life Sciences, including representation from the MD/PhD committee. If accepted into medical school, each application in this track will be reviewed by their PhD track of interest (CCB, MOME, MMI, NND, BIOD). If accepted by the track of interest, the applicant will be reviewed by the MD-PhD Steering Committee for final acceptance into the dual degree program. A College of Graduate Studies application will also be submitted after acceptance by the program. The MD/PhD applicant will complete the College of Graduate Studies online application, indicating the PhD track of interest, and the students' AMCAS application and supplemental application to the University of Toledo College of Medicine & Life Sciences will substitute for the remainder of the COGS application packet, including the MCAT scores, which may be used in place of the GRE. Once the MD-PhD candidate has been accepted into the PhD track, the MD/PhD Committee will make recommendations about medical tuition scholarships (Dean's Award) to the Dean of the College of Medicine & Life Sciences, who will make the final decision for each award.

Students must meet all of the requirements for each of the individual degrees, as described in the COMLS Graduate Catalog. Students will be allowed to apply up to 26 credits from College of Medicine & Life Sciences courses toward their PhD degree, of which only 20 credits may be applied toward the minimum requirement of 25 didactic (carrying a letter grade) graduate course credits. Thus, an additional 5 credits of didactic graduate coursework are required for the PhD degree (refer to the PhD Degree Requirements in the College of Medicine & Life Sciences Graduate Catalog for further information).

Combined MD and Master of Science in Biomedical Sciences (MSBS) Degree Program:

Students interested in careers combining biomedical research with patient care may apply for admission to the combined MD/MSBS program. This program is aimed at educating and training those individuals who desire to perform research in medical sciences incorporating skills achieved through clinical training, and whose career goals would benefit from additional research training at the Masters level. Students admitted to this program will have demonstrated an interest in and aptitude for research prior to acceptance.

Students interested in the combined MD/MSBS degree will initially apply to the MD program in the College of Medicine & Life Sciences, indicating the MD-MSBS track on their application. The admissions process will include interviews by both clinical and basic science faculty in the College of Medicine & Life Sciences, including representation from the MD/PhD committee. If accepted into medical school, each application in this track will be reviewed by their MSBS track of interest (CAB, MOME, MMI, NND, or BIPG). If accepted by the track of interest, the applicant will be reviewed by the MD-PhD Steering Committee for final acceptance into the dual degree program. A College of Graduate Studies application will also be submitted after acceptance by the program. The AMCAS application and supplemental application to the University of Toledo College of Medicine & Life Sciences will substitute for the College of Graduate Studies application, and MCAT scores may be substituted for the GRE. Students in the MD program will be eligible to apply for admission to this program during the course of study.

Students must meet all of the requirements for each of the individual degrees (see the College of Medicine & Life Sciences Graduate Catalog for MSBS requirements). Students will be allowed to apply up to 26 credits from MD degree courses toward their MSBS degree, of which only 20 credits may be applied toward the minimum requirement of 25 didactic (carrying a letter grade) graduate course credits. Thus, an additional 5 credits of didactic graduate coursework would be required for the MSBS degree.

Combined MD and Pre-Clinical Student Fellowship Program in Pathology one-year graduate certificate.

The combined MD – Post-Sophomore Fellowship program is administered by the College of Medicine & Life Sciences. Successful completion of this certificate program leads to the awarding of the Doctor of Medicine degree and the Certificate in Pathology by the College of Medicine and Life Sciences. Medical students in good academic standing who have completed the first two years of an LCME-accredited medical school curriculum and have sat for the USMLE Step 1 exam are eligible for this certificate program.

All MD students will be presented with information about the Fellowship in Pathology in November of their second year. Interested students will submit an application, CV and personal statement to the Pathology Education Coordinator. Qualified applicants will be invited to interview with Pathology faculty in January. After acceptance into this graduate program, MD students will then submit an application through the College of Graduate Studies.

Combined MD and Master of Public Health (MPH) Degree Program:

The combined MD/MPH program is administered by the College of Medicine & Life Sciences and the College of Health & Human Services. Successful completion of the dual degree leads to the awarding of two degrees. The Doctor of Medicine degree is awarded by the College of Medicine & Life Sciences and the MPH degree is awarded by the College of Health & Human Services. This program is designed for students who wish to combine medical education and training with public health. Public health majors include: Environmental and Occupational Health; Health Promotion and Education; Generalist; Public Health Epidemiology; and Public Health Policy and Law. A maximum of 12 semester credit hours of approved didactic coursework may be shared between the MD and the MPH program. Students must be independently admitted to both programs, must develop an approved plan of study with their assigned advisor for the MPH program, and must simultaneously pursue both degrees for at least one term. The acceptable duration for completion of each degree are calculated separately according to the policies of the respective MD and MPH programs within the College of Medicine & Life Sciences and the College of Health & Human Services.

Combined MD and Master of Science in Occupational Health (MSOH) Degree Program:

The combined MD/MSOH program is administered by the College of Medicine & Life Sciences and the College of Health & Human Services. Successful completion of the dual degree leads to the awarding of two degrees. The Doctor of Medicine degree is awarded by the College of Medicine & Life Sciences and the MSOH degree is awarded by the College of Health & Human Services. This program is designed for students who wish to combine medical education and training with occupational health. The occupational health major is Industrial Hygiene. A maximum of 12 semester hours of approved didactic credit may be shared between the MD and

the MSOH programs. Coursework to be shared requires grades of B or above. Coursework without a letter grade (A, A-, B+, or B) cannot be shared between the MD and MSOH program. Students must be independently admitted to both programs, must develop an approved plan of study with their assigned advisor for the MSOH program, and must simultaneously pursue both degrees for at least one term. The acceptable duration for completion of each degree are calculated separately according to the policies of the respective MD and MSOH programs within the College of Medicine & Life Sciences and the College of Health & Human Services.

Combined MD and Master of Business Administration (MBA) Degree Program:

The combined MD/MBA program is administered by the College of Medicine & Life Sciences and the College of Business and Innovation. Successful completion of the dual degree leads to the awarding of two degrees. The Doctor of Medicine degree is awarded by the College of Medicine & Life Sciences and the MBA degree is awarded by the College of Business and Innovation. Medical students will dedicate full time to business course requirements between the M2-M3 academic years. The College of Business and Innovation will allow up to 3 (6000 level) courses (9 credit hours) of approved Medical School coursework to satisfy the MBA elective requirements. Students must apply and be admitted to both programs separately. There are separate applications, fees, and deadlines for each program. The MCAT score will be accepted by the College of Business and Innovation in lieu of a GMAT score. Students enrolled in the dual degree program will not receive the MD or MBA degree until all work required for both degrees has been completed. Credit for courses from the College of Medicine & Life Sciences will only be accepted by the College of Business and Innovation if courses are completed successfully (a grade of C or better). Also, degrees must be awarded within time limits established by the College of Medicine & Life Sciences, the College of Business and Innovation, and the College of Graduate Studies.

Combined MD and Doctoral of Jurisprudence (JD) Degree Program:

The University of Toledo JD/MD dual degree program allows simultaneous enrollment in the College of Law J.D. program and the College of Medicine & Life Sciences M.D. program, leading to the granting of both degrees after six years of full-time, rigorous study.

Prospective students will apply for admission to both the College of Law and the College of Medicine & Life Sciences and Life Sciences and must meet the admission requirements for both programs. Two alternative courses of study will be available. In the first alternative, students will begin by completing their foundational courses in medicine for the first two academic years, followed by law core courses during the third year. Students would complete their upper level and elective law courses during the fourth academic year. During the fourth year, students also will complete the Clinical Training for MD/JD Students elective. Required clerkships in Medicine must be completed during the fifth year. The sixth and final year would include a combination of elective medical clerkships and upper law courses and legal clinics. Summers will be used to complete both medical and law electives and to complete the USMLE exams.

Students who elect the second alternative will complete their core law courses during their first year of study, and then complete their foundational medical courses during years two and three and their advanced law classes during year four. During the fourth year, students also will complete the Clinical Training for MD/JD Students elective. They must then complete their

required clerkships during the fifth year. As in the first alternative, the final year would include a combination of elective medical clerkships and upper law courses and legal clinics.

Combined MD and Doctoral of Philosophy (PhD) in Biomedical Engineering (BME) Degree Program:

The University of Toledo MD/BME dual degree program allows enrollment in both College of Engineering/College of Medicine and Life Sciences (COE/COMLS) combined BME program and COMLS MD program, leading to the granting of both degrees after (typically) 7 years of full-time rigorous study.

Prospective students will apply for admission to both the College of Engineering and the College of Medicine & Life Sciences and must meet the admission requirements for each program. Students will spend the first 2 years completing their foundational MD courses and taking USMLE Step 1 exam in the spring of MD year 2, except for Summer of MD year 1 in which students will do 2 x 4 week lab rotations in BME faculty labs to determine BME faculty advisor. After passing USMLE Step 1 exam, students will transition into the PhD during summer of year 2. During years 3 - 6 students will complete all BME coursework, Qualifying Exam and dissertation research, after which students will transition back to MD years 3 and 4. Students enrolled in this dual degree program will not receive their PhD or MD degree until all requirements for each of the individual degrees, as described in the COMLS and COE graduate degree catalogs, has been completed. Students will be allowed to apply up to 15 credits of COMLS coursework to be used towards the PhD in BME.

For more information on any of these programs, students can contact the Associate Dean for Medical Student Admissions or the Associate Dean for the College of Medicine and Life Sciences Graduate Programs.

<p>Approved by:</p> <p><u>/s/</u> Christopher J. Cooper, M.D. Dean, College of Medicine & Life Sciences</p> <p><u>7/1/24</u> Date</p> <p><i>Review/Revision Completed by: Senior Associate Dean for College of Medicine & Life Sciences graduate programs Dual Degree Committee</i></p>	<p>Policies Superseded by This Policy: None Initial effective date: 08/25/85</p> <p>Review/Revision Date:</p> <ul style="list-style-type: none">• 08/25/86• 08/13/87• 08/22/89• 08/15/90• 11/19/91• 02/24/94• 07/01/95• 08/01/96• 08/17/00• 08/17/01• 07/16/03• 09/17/04• 04/20/07• 04/13/11• 11/22/13• 02/05/19• 08/01/19• 02/22/24• 7/1/24 <p>Next review date: 7/1/27 (three years from the most recent revision/review date)</p>
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