

Master of Physiology for Therapeutic Development (MaPTD)

Admission Requirements

Applicants are considered on an individual basis. In addition to the Graduate College minimum requirements, applicants must meet the following program requirements:

- **Degree Required** Bachelor's
- **Baccalaureate Field** Individuals with a baccalaureate degree in the chemical/physical/biological sciences or pre-med program will be considered. If students are planning to apply to medical or health science schools after they graduate from the Master of Physiology for Therapeutic Development, prior completion of all medical or dental school prerequisite courses is required.
- **Other Requirements** At least 3.00/4.00 cumulative for the final 60 semester hours (90 quarter hours) of undergraduate study and at least 3.00/4.00 in science courses.
- **Standardized Tests Required** MCAT, GRE, or DAT. Competitive scores: MCAT: 27 in old scoring system, 55-65% in new scoring system; GRE: 153 Quantitative, 146 Verbal, 3.5 Analytical Writing; DAT: 17.
- **Minimum English Competency Test Score (if applicable)**
 - **TOEFL** Minimum scores: 80, with subscores of Reading 19, Listening 17, Speaking 20, and Writing 21 (iBT Test); 60, with subscores of Reading 19, Listening 17, Writing 21 (revised Paper-Delivered Test), **OR**,
 - **IELTS** 6.5, with subscores of 6.0 for all four subscores, **OR**,
 - **PTE-Academic** 54, with subscores of Reading 51, Listening 47, Speaking 53, and Writing 56.
- **Letters of Recommendation** Three required, at least two from course professors and at least one from a professor in the sciences. Committee letters are acceptable.
- **Personal Statement** Required (500 words).
- **Statement of Purpose** Required (500 words).
- **Resume or List of Relevant Activities** Required.
- **Undergraduate Transcripts** Required.

Degree Requirements

In addition to the Graduate College minimum requirements, students must meet the following program requirements:

- **Minimum Semester Hours Required** 32 hours of graduate course work to be completed in two semesters (16 hours of required courses in the fall and 16 hours in the spring), and a successful summer internship.
- **Course Work**

Code	Title	Hours
Required Courses—Fall Semester		
PHYB 551	Human Physiology I	
PHYB 571	Clinical Applications of Physiology I	

PHYB 561	Introduction to the Biopharmaceutical Industry, Including Leadership and Communication Skills
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PHYB 562	Therapeutic Development – Clinical Trials
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PHYB 565	Seminar
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Required Courses—Spring Semester

PHYB 552	Human Physiology II
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PHYB 572	Clinical Applications of Physiology II
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PHYB 563	Bioinformatics
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PHYB 564	Regulatory Affairs
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PHYB 565	Seminar
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Summer Internship

During the nine months of class work, students will be mentored to attain an internship at a local biopharmaceutical company or academic/clinical setting or engage in an appropriate project/immersion program. Students will receive a pass/fail grade based on an internship-specific rubric.

- **Grade Point Average** As per Graduate College guidelines, a minimum of 3.00/4.00 grade point average is required to graduate. Students will receive standard (A to D, four-point scale) grades for their nine required classes (including the seminars).
- **Comprehensive examination** Not required.
- **Thesis, Project, or Course Work Only Options** Neither a thesis nor dissertation is required for graduation.