

# MS in Medical Pharmacology and Physiology

## Degree Requirements

The master's program is two years. The first year consists of required coursework, teaching assistantships and laboratory experiences. By the end of the first semester, students are expected to have selected a laboratory and mentor for either the thesis or non-thesis track and to form their thesis advisory committee. The second year consists of a continuation of coursework, teaching assistantships, ongoing thesis work and the defense of the thesis project. Students are required to present at the annual departmental student research update day each year that they are enrolled in the program. To satisfy requirements for the MS degree, a student must complete the professional plan of study with an average grade of B or better and pass an oral examination over an acceptable master's thesis. Candidates also must comply with other regulations governing master's degrees. MS degree students should normally complete their studies and thesis project within 2-3 years of admission to the degree program.

### Required Coursework

MPP 7422	Medical Physiology	4
MPP 8200	Medical Pharmacology I	3
MPP 8250	Medical Pharmacology II	3
MPP 8412	Seminar in Medical Pharmacology and Physiology (every semester)	1
MPP 9422	Medical Pharmacology and Physiology Journal Club (every semester)	1
TR_BIOSC 8550	Skills in Translational Biosciences I	1
TR_BIOSC 8555	Professional Skills for Translational Biosciences II	1
TR_BIOSC 8560	Data Design and Analysis I	3

## Admission Criteria

### Application Deadlines

Fall deadline: December 15

- Minimum GPA: 3.0 in the last 60 hours
- Bachelor's degree from an accredited college
- Background in biology and chemistry and an understanding of mathematics and physics
- Course work in biochemistry and physiology is highly recommended
- Previous lab or research experience preferred
- Minimum English proficiency scores, one of the following (International applicants only):
  - TOEFL Test of English as Foreign Language (internet based) = 80
  - IELTS International English Language Testing System (overall academic score) = 6.5
  - PTE Pearson Test of English = 59

- C1A Cambridge C1Advanced = 180
- Duolingo English Test = 105

Students are usually admitted to begin their program in the Fall semester.

An application submitted through the University of Missouri Graduate School. The application will include the following:

1. Copies or official copies of transcripts from all colleges and universities attended.
2. Three letters of recommendation - written by individuals with knowledge of the student's academic capability
3. Statement of Purpose - Provide in 400 words or less a brief description of research experience (abstract and paper citations preferred) and a statement of how the (M.S./Ph.D.) program will facilitate your career goals.
4. International students must submit copies or official copies of English proficiency test scores from either the TOEFL, IELTS, PTE, Cambridge C1 Advanced, or Duolingo examinations. MU's minimum test scores are:
  - TOEFL 80 (internet-based)
  - IELTS 6.5 (academic)
  - PTE 59
  - Cambridge C1 Advanced 180
  - Duolingo 105

### Admission Contact Information

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