



# IU School of Medicine and Biomedical Engineering

## Doctor of Medicine / Master of Science

### Combined Degree Program

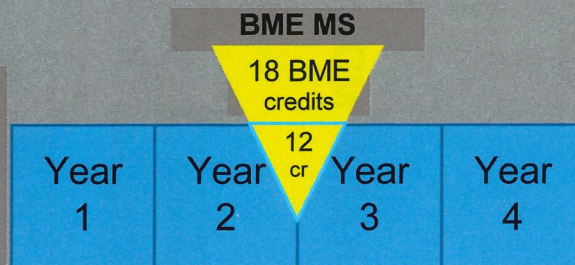
The combined MD/MS in Biomedical Engineering program at IUPUI allows IUSM students the opportunity for in-depth training dedicated to applying engineering and technological advancements to clinical applications and translational research.

With the BME program located right here on IUPUI campus, this joint program offers students unparalleled opportunity for collaborative research between IU Schools of Medicine, Dentistry, and Nursing, with projects involving industry leaders, entrepreneurs, and physicians from world-class hospital systems.

## How It Fits

The required coursework for the BME MS can be accomplished in 1 year, with 12 transfer credits from the MD program, allowing students to complete the MD/MS program within 5 years on the same campus. The BME MS program can readily fit between Phase 1 and Phase 2 of the IUSM MD program.

\* See chart on reverse side for more detail



## How It Works

- The MS BME program requires a total of 30 credit hours, which includes graduate engineering and mathematical courses.
- After the 12 transferred credits, 18 more credits are to be completed in the BME MS program.
- Thesis and non-thesis options are both available.
- Flexible program plans for this Master's degree were developed with IUSM faculty to best accommodate the medical school schedule, including summer course and variable start dates.
- Students electing to complete a thesis project may be eligible for funding as a graduate research assistant or teaching assistant, to help support tuition, insurance, and to provide a stipend.

## How It Puts You Ahead

According to the 2018 National Resident Matching Program survey, **41%** of programs cited **involvement in research** as an important factor when selecting applicants to interview.

Source: National Resident Matching Program, Data Release and Research Committee: Results of the 2018 NRMP Program Director Survey. National Resident Matching Program, Washington, DC. 2018

- You may be eligible to receive funding through an NIH T35 training grant.
- Having research experience will make you a competitive candidate for residency.
- Develop skills transferable to clinical practice including evidence-based medicine.
- Receive individualized mentorship by an engineering faculty member.
- Obtain a Purdue BME MS degree in 1 year.

Applications for the BME Master's program will be accepted by January to begin the following Summer.

More info: <http://www.engr.iupui.edu/departments/bme/grad/msbme/>

Talk to your IUSM advisor. Your BME contact is Dr. Julie Ji, [jjj@iupui.edu](mailto:jjj@iupui.edu) or 317-278-2275



# OVERVIEW: How BME MS fits with IUSM MD

## Research Opportunity:

- During summer after year 1
- Can be taken for credit (BME 696 Advanced BME Projects, 3 cr)
- Start research project for thesis MS students

## MS Start Point Options:

- Starting before doing any clerkship: Summer I classes start around May 8
- Starting after completing 1 or 2 clerkships: Summer II classes start around June 25

- No BME classes during summer
- Other engineering and classes available during summer

## MS End Point:

- MS program can be completed so that students return to Clerkship at the same point they left.

