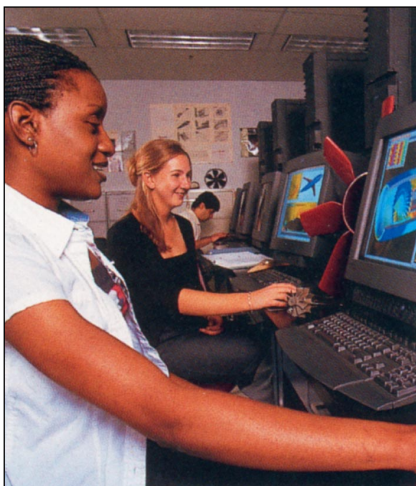


BS - Physics
MS - Mechanical
Engineering
5 Year Program
(BPMME)



*Physics and Mechanical
Engineering
Why not Both?*

*A Bachelors and a
Masters degree
Why not Both?*

Why Both?

We are passing through a period in human developments where rapid advancements in technology are being forged through innovative applications of science and engineering principles. For the refinement of the already existing technologies, and for the invention and discovery of hitherto unknown ones, there will be an increasing demand for people with a sound training in basic, fundamental science, and the ability to integrate that with engineering principles. The BPMME program, which relies on a seamless integration of Physics with Mechanical Engineering, is designed to train the next generation of scientists and engineers who possess a solid understanding of the fundamental aspects of physical laws, and the necessary skills to integrate them with engineering applications. Physical laws, and the content within them, elucidate much of the physical world around us. Mechanical Engineering is a discipline that teaches skills relevant to a host of industries in Indiana, such as automotive, aerospace, and biotech. The BPMME program provides students an interdisciplinary training, which, coupled with faculty supervised research opportunities, and paid industrial internships, will make a graduate of this program most desirable to a variety of corporate, academic and government employers.



B.S. in Physics

**M.S. in Mechanical
Engineering**

IUPUI BPMME

Program Features

- The BPMME is a five year, dual degree program from which students will simultaneously receive a BS in Physics and an MS in Mechanical Engineering.
 - The BPMME is an integrated program, in which students gain both fundamental understanding and engineering skills at all stages of their education.
 - The BPMME program takes advantage of overlaps in the curricula of the participating departments, allowing students to earn both a BS in Physics and an MS in Mechanical Engineering in as little as five years, saving both time and money.
 - The BPMME program includes opportunities for internships at US and international companies.
 - BPMME students will be able to begin taking graduate level courses after their third year at IUPUI.
 - BPMME students will have competitive edge in receiving graduate fellowships, teaching assistantships or research assistantships from the physics or mechanical engineering department, with full tuitions covered and over \$1,000 per month stipends paid, as early as at the beginning of fourth year.
 - BPMME students have access to academic and career advising services of both participating departments.
 - BPMME students will have exciting opportunities to get involved with faculty research in both physics and mechanical engineering.
 - BPMME students will graduate with a wide range of basic and applied skills that they can employ effectively in their chosen careers.
 - BPMME graduates will be in demand among high tech industries, government agencies, and national laboratories for advanced technology research and development positions.
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What is it?

BPMME stands for Bachelors in Physics Masters in Mechanical Engineering

This is a streamlined new program combining degrees in physics and mechanical engineering, available only at IUPUI. By taking advantage of overlaps in the curricula of the two departments, this program allows students to earn both a BS in physics and an MS in mechanical engineering in as little as 5 years, saving both time and tuition dollars; only 142 credit hours are required. The BPMME prepares its graduates for high-tech careers by providing an ideal mix of engineering skills with a background in fundamental physics. BPMME graduates have the engineering expertise to make an immediate impact on the job, and the scientific background to grow and adjust in today's ever-changing job market.



How to Sign Up

If you think this program is for you, the way is clear. Here are the steps:

1. Admission to IUPUI. See <http://www.iupui.edu/admissions.htm> or call 317-274-4591
2. Become a physics major. See <http://www.physics.iupui.edu/> or call 317-274-6900
3. You begin taking the specialized BPMME curriculum after your freshman year.
4. After three years, you become eligible for graduate fellowships in the department of mechanical engineering, while you finish your physics requirements.
5. As early as your 5th year, you may graduate with both an MS in mechanical engineering and a BS in Physics.



For more information

See the BPMME web site:

<http://http://webphysics.iupui.edu/bpmme/bpmme.html>

There, you will find more information about the program, a sample schedule for BPMME students, and links to further information about physics, mechanical engineering, and IUPUI.

You can also call us at 317-274-6909

Or, you can write to

IUPUI

BPMME program

LD154

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