



**ST. JOHN'S  
UNIVERSITY**

ST. JOHN'S COLLEGE OF  
LIBERAL ARTS AND SCIENCES

# Bachelor of Science in Physics, Physical Science, or Mathematical Physics

## **ABOUT THE B.S. DEGREES IN PHYSICS, PHYSICAL SCIENCE, OR MATHEMATICAL PHYSICS**

The Bachelor of Science degrees in Physics, Physical Science, and Mathematical Physics are demanding yet rewarding programs designed to prepare students for careers requiring understanding and analysis of physical, biological, and computer systems. You may choose one of these majors or combine two of them together. All three help you develop an understanding of fundamental physical laws and concepts, effective communication of scientific work, the use of computers for calculation and simulation, and scientific literacy in general.

Through our combined degrees with business and our pre-health and pre-engineering programs, you will be able to tailor the exact course of study to prepare for your intended career.

## **WHAT CAN I DO WITH A B.S. IN PHYSICS, PHYSICAL SCIENCE, OR MATHEMATICAL PHYSICS?**

As a graduate from the Physics, Physical Science, or Mathematical Physics major, you may go on to a career in business, health professions, computer hardware/software, engineering, or education. You may also pursue graduate study in these fields.

The analytical, computer, and scientific skills you develop throughout your program benefit you in whatever career path you choose to follow after graduation. Positions open to graduates with a background in physics and related fields include:

- Engineer
- Programmer
- Web Developer
- IT Consultant
- Elementary/Secondary Physics/  
Science Teacher
- Systems Analyst
- Research Assistant/Technician
- Lab Assistant/Technician
- Accelerator Operator
- Physical Sciences Technician





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## MESSAGE FROM THE CHAIR

Welcome to the Department of Physics at St John's University! Our goal is to educate the next generation of scientists and engineers, and to advance scientific knowledge. We achieve this goal through our rich and diverse course offerings, small class size, and dedicated professors. Our curriculum combines high-quality scientific training with a strong liberal arts component.

The small size of our department allows our faculty to work with students one-on-one to meet their individual needs and interests, which is often difficult to find at larger institutions. Students are encouraged to get involved in research with faculty as early as possible. You can explore areas such as nanotechnology materials applied to energy, imaging, and medical applications. The physics department also hosts numerous activities in which students and faculty members may interact.

In addition to the B.S. degrees in Physics, Mathematical Physics, and Physical Sciences, our department offers a combined B.S./B.E. program with Manhattan College and a combined B.S./M.B.A. program with The Peter J. Tobin College of Business. You are welcome to explore our department website for further information regarding our programs. Please feel free to contact me if you have questions.

### **Mostafa Sadoqi, Ph.D.**

Professor and Chair  
Department of Physics  
sadoqim@stjohns.edu

## RESEARCH AND PROFESSIONAL DEVELOPMENT

You can combine your B.S. degree with a double major in another field; with an M.B.A. through our combined degree programs in Business Administration; or with our pre-health or engineering programs in order to tailor your education to your particular interests and career goals.

Our esteemed faculty and Office of Career Services maintain a wide network of contacts through the metropolitan area and beyond to help you find the right internship to meet your needs. Internships help you build your résumé and professional network in order to prepare for seeking employment after graduation. Your internship may even turn into a full-time job once you graduate.

As a St. John's student, you also have the opportunity to study abroad through our extensive Global Studies programs and locations, adding an international dimension to your education. For more information, please visit [stjohns.edu/global](http://stjohns.edu/global).

## SCHOLARSHIPS AND FINANCIAL AID

St. John's University strives to place an outstanding higher education within the financial reach of all qualified applicants. Each academic year, the Office of Student Financial Services awards more than \$500 million in aid to students who demonstrate financial need. The Office of Undergraduate Admission also awards highly competitive academic scholarships.

For more information about scholarships and financial aid, please visit [stjohns.edu/services/financial](http://stjohns.edu/services/financial).

## PROGRAM INFORMATION AND APPLICATIONS

**Mostafa Sadoqi, Ph.D.**  
Professor and Chair  
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## ADMISSION INFORMATION

Office of Undergraduate Admission  
1-888-9STJOHNS  
admission@stjohns.edu  
[stjohns.edu/admission-aid/  
undergraduate-admission](http://stjohns.edu/admission-aid/undergraduate-admission)