

Meet the Majors!

"The Rutgers, Newark Physics Department is 'home.' As I enter my first year as a PhD student at Cornell University in the field of Mechanical Engineering, I realized that the Physics Department at RU-N has taught me what a comfortable learning environment is, and has broadened and diversified my mode of thinking. I have the unique opportunity to tackle problems from a different perspective, which is a talent that is highly sought after."
-Dory Castillo, class of 2021

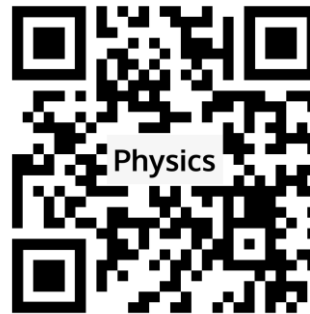
"As a Physics Learning Assistant I enjoy discussing and collaborating with both students and faculty in teaching and learning physics. My goal is to become a physics educator and my current role is preparing me to teach physics effectively."
-Jose Dominguez, class of 2021

"This summer, I was selected as a Rutgers SURF recipient to research atom interferometry of optical nanofibers, which is highly relevant to my astronomy interest. I've learned so much and met so many amazing people!"
-Nami Uchida, class of 2022

"Since transferring to RU-N from community college, the physics department has welcomed me and advanced my studies to the next level. With their mentorship, I have gained valuable research experience on-campus and at SLAC National Lab. Stop by the physics department, they will help you just as they helped me!"
-Max Mrozek-McCourt, class of 2022



<https://sasn.rutgers.edu/academics-admissions/academic-departments/physics>



Physics



Undergraduate Programs

Contact Info:

Department of Physics
101 Warren Street
Newark, NJ, 07102
<http://sasn.rutgers.edu>

Prof. Diane Jammula
Undergraduate Program Coordinator
diane.jammula@rutgers.edu

Prof. Neepa Maitra
Chair & Graduate Coordinator
neepa.maitra@rutgers.edu

RUTGERS
THE STATE UNIVERSITY
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Department of Physics
Undergraduate Program
Rutgers-Newark



Become part of our team!



Want to be a Physics Major?

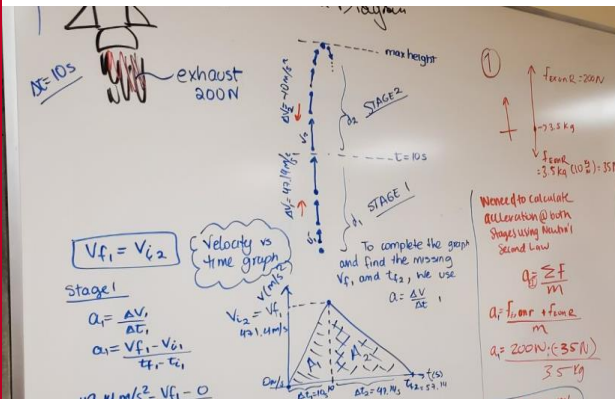
Physics is the study of how the physical world works. Our small department gets to know you personally to craft an educational experience tailored to your interests and goals. We help you succeed in the classroom and beyond.



Our faculty warmly welcome you!

Coursework

- Intro courses use “active learning” where you learn by doing physics.
- Ample office hours and tutoring for individualized support.
- Core courses are innovative and small with close faculty interaction.
- Choice of electives at RU-N, NJIT, and RU-NB based on your interests.
- Work with a physicist for hands-on experience in the field (research, internship, project, or independent study).



Our physics research areas

- Atomic & molecular
- Condensed matter
- Fluid dynamics
- Theoretical & computational
- Physics education

Opportunities

Build your teaching skills in our Learning Assistant (LA) Program.

Socialize and study with other physics majors, minors, and LAs in our undergraduate physics lounge.

Participate in meetings and events with our Physics Club.

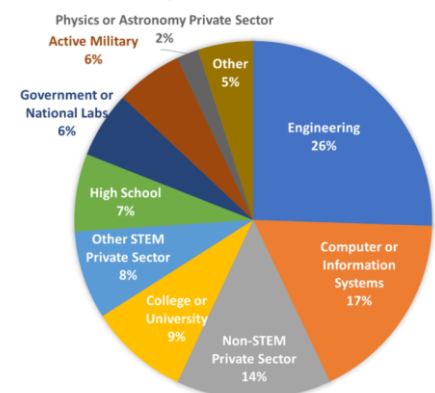
Attend professional conferences such as the American Physical Society (APS) and Undergraduate Women in Physics (CUWiP)

Conduct research with our faculty and at institutions across the globe.

And, after a physics degree?

Become a teacher, engineer, doctor, physicist, financier, entrepreneur... All fields value the analytical thinking of physics majors -- they are some of the top recruited and highest paid graduates, with high job satisfaction.

Fields of employment for new physics bachelors, classes of 2017 & 2018



Source: American Institute of Physics