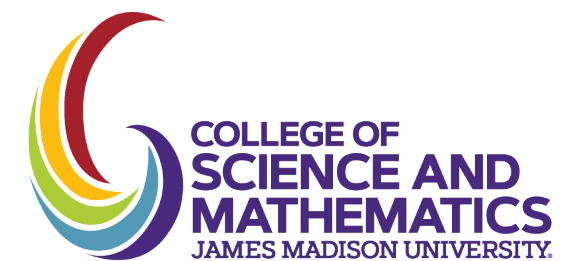


Physical Sciences

PHYSICAL



ANALYZING THE STRUCTURE



"I am forever grateful for the physics and astronomy department here at JMU. They taught me valuable critical thinking skills, computer programming skills that will be valuable for my future career, and to never be afraid to ask for help!"

SLOANE MCNEILL
BS PHYSICS, ASTRONOMY MINOR



READY TO LEARN MORE?

If you are thinking about studying the physical sciences, visit our campus to see all we have to offer. We would love to show you how you could be a part of our community. Please contact us with any questions, or to arrange a tour of our physical sciences facilities.

JAMES MADISON UNIVERSITY

College of Science and Mathematics

MSC 4114, 801 Carrier Drive, Room 3121
Harrisonburg, Virginia 22807
540-568-3508 Phone
csm@jmu.edu
www.jmu.edu/csm



2020



@JMUCSM

At JMU, we have many pathways for you to study the physical sciences. Whether you are interested in chemistry, physics, astronomy, biophysical chemistry or materials science, our degree programs are designed to transform you from student to scientist.



OUR CHEMISTRY, BIOPHYSICAL CHEMISTRY, AND PHYSICS MAJORS ENGAGE IN HANDS-ON RESEARCH PROJECTS WITH FACULTY MEMBERS.

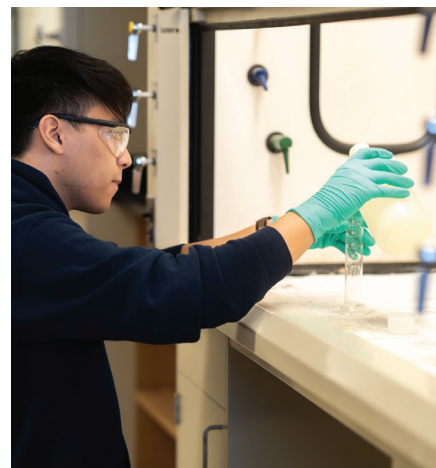
Our professors are experts in the following fields, and are ready to work with you:

WHAT YOU GET with the JMU experience:

- **Our chemistry, materials science, and chemical education programs are certified by the American Chemical Society.** This means that extremely high standards of our programs are nationally recognized.



- **Physics majors have several paths through the major tailored to their interests.** Majors may choose a track in fundamental physics, physics education, pre-med, applied physics, combined physics and engineering, or an individualized option.



- **Excellent preparation for your future.**

Upon graduation students will be prepared to enter programs of advanced study in physics,

chemistry, engineering, medicine, environmental science, and related disciplines.

- **90% of our majors conduct unique research with a faculty member.** There are also opportunities for students to work on paid research projects.

- **Access to advanced equipment and facilities,** including an accelerator lab, state-of-the-art planetarium, scanning electron microscope, NMR facility, mass spectrometry laboratory, x-ray facility, radio telescope, and atomic force microscope.

- **Opportunities to pursue other interests across the liberal arts,** such as music, political science, or psychology. A range of minors and double majors are possible.



- Analytical Chemistry
- Astronomy/Astrophysics
- Chemistry Education
- Computational Physics
- Materials and Nanoscience
- Particle and Nuclear Physics
- Physical Chemistry
- Physics Education
- Theoretical Physics



“The JMU faculty of the Chemistry and Biochemistry Department have **instilled in me a drive to learn more – to be curious, healthily skeptical, and excited** (and excited about exciting others) about progressing scientific knowledge.”

ISAAC MILLER
BS CHEMISTRY

