

UNDERGRADUATE



Hood College DEPARTMENT OF CHEMISTRY AND PHYSICS

hood.edu/chemphys

Hood College's chemistry and physics programs can set you up for a successful career in science. You will gain hands-on experience with modern laboratory equipment and instrumentation. There are also ample opportunities to conduct research with faculty members.

Our faculty experts are dedicated to helping you fulfill your academic and professional ambitions. Courses involve more than lectures—they stress active participation, team learning and experimentation as part of an innovative curriculum.

Nearly 100% of our graduates are working in their chosen career field or pursuing advanced degrees. You will be prepared to join competitive graduate programs in chemistry, biochemistry and chemical engineering, or pursue post-professional training, such as medical school, veterinary school, P.A. school and pharmacy school.

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The chemistry program at Hood College offers a satisfying blend of each relevant branch in the field. I appreciated that the professors had so much experience in their respective disciplines and were ready to answer any question that a student might have. Hood provides the necessary tools to gain a technical proficiency in both theoretical and applied chemistry.

—NICK TITUS '25
Chemistry Major



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UNDERGRADUATE PROGRAMS

- Biochemistry (B.A.)
- Chemistry (B.A.)
 - Secondary Education Certification
- Environmental Science and Policy (B.A.)
 - Environmental Chemistry Concentration
- 4PLUS Biochemistry (B.A.) + Biomedical Science (M.S.)
- Chemistry Minor
- Physics Minor

BEYOND THE CLASSROOM

Some of the nation's top government research agencies and biotechnology firms are located within a short drive of Hood's campus, giving you access to research opportunities, networking, lectures and conferences.

Students in our programs have completed internships at the U.S. Army Medical Research Institute for Infectious Diseases, the Frederick National Laboratory for Cancer Research, the National Institutes of Health, the National Institute of Standards and Technology, the U.S. Department of Agriculture, the U.S. Food and Drug Administration and local biotech companies.

Even before you move beyond campus, you will have amazing opportunities for research in our various lab spaces—working side-by-side with professionals in the Kite Pharma Lab, collaborating with faculty for senior-level honors projects, taking part in the Summer Research Institute and presenting at scientific meetings.



FACULTY-MENTORED RESEARCH

Physical sciences are hands-on disciplines. Nothing prepares you for the next step—whether it be graduate school or your career—like real-world experience. You will have the opportunity to take part in research in a nearby laboratory or on campus with a Hood faculty member. Some of our unique faculty research interests include:

- Mass spectrometry
- Hydrodesulfurization
- Natural product identification/isolation
- Green chemistry
- Chromatography

4PLUS

Hood's 4PLUS program combines undergraduate and graduate studies to save you time and money. By working with your adviser, you can start taking courses toward your master's in your junior or senior year and earn dual-course credit for both your bachelor's and master's degree.

Biochemistry majors can work toward a master's in biomedical science.

CAREERS IN CHEMISTRY AND PHYSICS

Job growth in the physical sciences is strong, with median annual salaries upwards of \$80K.

- Biochemist
- Chemical Engineer
- Chemist
- Environmental Scientist
- Food Technologist
- Forensic Chemist
- Lab Assistant
- Medical Researcher
- Pharmacy Technician
- Quality Control Analyst
- Teacher
- Toxicologist



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ADM-24-106-G

Our faculty are committed teachers, active in scholarship, service and mentorship—faculty who will work with you and help develop your critical thinking skills.

Visit and Apply

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Your future is **WORTH THE WORK.**



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