



DR. JAMES 'EARL' PERRY  
COLLEGE OF MATHEMATICS,  
COMPUTING, AND SCIENCES

# CHEMISTRY PROGRAM

*ARE YOU INTERESTED IN BEING THE NEXT GREAT MEDICAL PROFESSIONAL, TOXICOLOGIST, OR MATERIALS SCIENTIST? WE OFFER SEVERAL DIFFERENT PATHWAYS TO GET YOU THERE.*

The chemistry program at the University of West Georgia provides students with hands-on experiences in chemical synthesis, analysis, and experimental design using state-of-the-art equipment and facilities. Students have opportunities to pursue research projects, internships with industry partners, and work in regional healthcare clinics. The faculty and staff are committed to empowering future leaders in science and healthcare through focused mentorship and independent discovery. Find your Element!

## Bachelor of Science in Chemistry - ACS Certified

- Certified by the American Chemical Society
- Top-tier education that meets industry standards and prepares them for graduate studies
- Integrated and rigorous exploration of chemistry
- Hands-on experiences, independent discovery, and one-on-one faculty mentorship
- Gain expertise in healthcare and pharmaceuticals, drug discovery and biotechnology, environmental science and sustainability, forensics, alternative energy technologies, and consumer product development
- Ready for careers in forensics, drug discovery, government labs, research and development, and higher education

## Bachelor of Science in Chemistry - Professional Preparation

- Flexible program
- Broad foundation in chemistry complemented by electives
- Experiential learning with modern instrumentation and research projects under faculty mentorship
- Real-world experience through paid internships and on-campus jobs.
- Ready for careers in medicine, pharmacy, veterinary, or dental practice



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## **Bachelor of Science in Chemistry – General**

- Versatile degree that provides a solid foundation in chemistry
- Hands-on experience in laboratories, learn to carry out experimental protocols, analyze and interpret data
- Ready for careers in chemical laboratories, product quality and safety testing, and environmental analysis
- Pathway to the Master of Arts in Teaching degree appropriate for students interested in teaching middle and high school science

## **Bachelor of Science in Chemistry - Business Option**

- Combines fundamental courses in chemistry with business-related electives
- Ready for diverse career opportunities in technical sales, marketing, and entrepreneurship

## **Minor in Chemistry**

- Offers undergraduate students from various disciplines the opportunity to gain essential knowledge and skills in chemistry
- Requires students to successfully complete 17 hours of chemistry courses with at least nine of those hours at the 3000- or 4000-level

## **Bachelor of Interdisciplinary Studies - Materials Science Pathway**

- Interdisciplinary program bridging the gap between physics and chemistry
- Gain practical experience through hands-on research projects with faculty, from fabricating nanoparticles to discovering new two-dimensional materials for clean energy applications, or through internships with local industrial partners
- Ready for careers in innovative fields such as aerospace, biotechnology, semiconductors, nanotechnology, and renewable energy



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