



Chemistry and Physics

Why do so many diverse subjects such as biology, engineering, agriculture or geology share an essential tie to chemistry? The answer is that chemistry, by its very nature, is the central science. Our interactions with the material world raise basic questions about everything around us. What are their composition and properties? How do they interact with us and our environment? How, why and when do they undergo change? These questions are important whether the material is part of high-tech computer chips, an aged pigment used by a Renaissance painter or DNA that transmits genetic information in our body. Chemistry provides answers to these and countless other questions.

Departmental/Program Offerings

- Major: Chemistry
- Minor: Chemistry
- Concentrations: Biochemistry, Forensic Science
- Teacher Licensure in Chemistry

Sample Courses:

- CHEM1101 Principles of Chemistry I
- CHEM1107 Forensic Chemistry
- CHEM2101 Organic Chemistry I
- CHEM3105 Physical Chemistry I
- CHEM3115 Introduction to Toxicology
- PHYS1121 Energy and the Environment

Where Can Studying Chemistry and Physics Get You?

Emmanuel College believes that the best preparation for success and meaningful careers is a strong liberal arts and sciences education. The chemistry department at the College reflects that conviction. The program provides students with opportunities – through courses in specialized fields within the discipline, as well as through internships – to develop the skills and knowledge required to move into the world of work. Emmanuel chemistry majors are prepared for graduate study and professional careers in education, academic research, industry and engineering. Recent graduates are employed in fields such as medicine, law, ecology, biotechnology and industrial research. Chemistry majors may also be interested in exploring a concentration in health sciences as well as Emmanuel’s pre-professional preparation programs (i.e., pre-medical, pre-dental, pre-veterinary).



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