

CHEMISTRY

Faculty: John Baluyut, Ph.D

The chemistry minor is ideal for students seeking a strong foundation in chemistry for graduate work in any field of chemistry and for admission to programs for medicine, pharmacy, dentistry and a number of other professional programs. The mathematics & physics requirements of this program are identical to, or greater than, those required by most medical schools. University students have been highly successful in gaining acceptance into professional and graduate programs. The strategy of the chemistry department is to provide a curriculum that will develop a general knowledge base, stimulate intellectual curiosity, and increase the student's skills in the chemical sciences.

Chemistry Minor Program Outcomes

- Describe connections between science & other disciplines, & express the relevance of science to your daily life & health.
- Work effectively in groups, collaborate in team investigations, provide constructive feedback to peers, utilize constructive feedback from peers.
- Distinguish between credible & non-credible sources of scientific information, interpreting information from credible sources accurately, drawing logical conclusions. Interpret laboratory data accurately, & draw logical conclusions.
- Analyze scientific problems & questions, & design experiments to answer them, using the principles of the scientific method. Practice analytical laboratory skills.
- Integrate fundamental scientific knowledge in the solution of scientific problems.
- Communicate scientific information with clarity, accuracy, & conciseness, both orally & in writing. Critique scientific literature thoroughly, & consider the impact on the lay public of inaccurate or biased communication of scientific information.
- Evaluate actual & hypothetical ethical issues related to science/technology, & argue convincingly on more than one side of a given issue, drawing upon scientific knowledge & personal belief systems.

Chemistry Minor

Code	Title	Credits
CHM 111	GENERAL CHEMISTRY I	4
CHM 112	GENERAL CHEMISTRY II	4
CHM 261	ORGANIC CHEMISTRY I	4
CHM 262	ORGANIC CHEMISTRY II	4
CHM 350	QUANTITATIVE ANALYSIS	4
CHM 401	BIOCHEMISTRY I	4
MTH 252	STAT METHODS FOR THE SCIENCES	3
MTH 241	CALCULUS I	4
PHS 241	CLASSICAL & MODERN PHYSICS I	4
Total Credits Required:		35