It is recommended that students take CHEM 109 Advanced General Chemistry for 5 credits. However, depending on their high school chemistry experience, students may substitute this with CHEM 103 General Chemistry I and CHEM 104 General Chemistry II for a total of 9 credits.

Students who were not able to take an introductory engineering course as freshmen may, with the approval of their advisor, substitute a course offered in the College of Engineering or in the departments of Chemistry, Computer Sciences, Mathematics, and Physics.

Students are encouraged to take E P 468 Introduction to Engineering Research during their second year to allow for more flexibility in the research sequence.

Topics from MATH 321 Applied Mathematical Analysis are applied in PHYSICS 322 Electromagnetic Fields, and some students may find it helpful to take PHYSICS 322 Electromagnetic Fields after MATH 321 Applied Mathematical Analysis if PHYSICS 322 Electromagnetic Fields is not required for focus area courses.

Students in the nanoengineering focus area should take PHYSICS 531 Introduction to Quantum Mechanics.