CHEMISTRY - APPLIED RESEARCH MAJOR, B.S.
Science & Health Department; Shaw School of Sciences

To graduate must complete all major requirements, foundational requirements, and additional electives needed for 124 hour minimum degree requirement. This program may require more than 124 credits for a degree due to specific requirements.

MAJOR REQUIREMENTS (81)

Cross-Disciplinary Requirements (29)
__ 3 BIO 201 General Biology I
__ 3 BIO 202 General Biology II
__ 1 BIO 203 General Biology Lab I
__ 1 BIO 204 General Biology Lab II
__ 2 BIO 341 Ethical Issues
__ 4 MAT 181 Calculus I ___ Lab
__ 4 MAT 182 Calculus II ___ Lab
__ 4 PHY 201 Intro Physics I ___ Lab
__ 4 PHY 202 Intro Physics II ___ Lab
__ 3 PSY 315 Stats for Behavioral Science

Chemistry Requirements (35)
__ 3 CHE 121 Gen College Chemistry I
__ 3 CHE 122 Gen College Chemistry II
__ 1 CHE 123 Gen College Chemistry Lab I
__ 1 CHE 124 Gen College Chemistry Lab II
__ 3 CHE 221 Organic Chemistry I
__ 3 CHE 222 Organic Chemistry II
__ 1 CHE 223 Organic Chemistry Lab I
__ 1 CHE 224 Organic Chemistry Lab II
__ 4 CHE 321 Analytical Chemistry ___ Lab
__ 3 CHE 361 Biochemistry
__ 1 CHE 363 Biochemistry Lab
__ 3 CHE 382 Inorganic Chemistry
__ 1 CHE 399 Intro to Chem Research
__ 2 CHE 400 Senior Research
__ 4 CHE 421 Physical Chemistry ___ Lab
__ 1 CHE 475 Senior Seminar

Applied Research Track (17)
__ 2 CHE 300 Junior Research
__ 4 CHE 322 Analytical Chemistry II ___ Lab
__ 4 CHE 383 Inorganic Chemistry II ___ Lab
__ 3 CHE 422 Physical Chemistry II

Choose one additional 4-credit Science 300 or higher w/Lab or Math 300 or higher:
__ 4 BIO/CHE ___ _______________________

PLUS FOUNDATIONS REQUIREMENTS (49)
(3 hours Math and 4 hours Science satisfied by required major courses.)

Plus electives if needed for the 124 hour degree requirement