

CHEMISTRY beginning with Math 1155--intensive precalculus

Freshman Year

Fall Semester	crs	Spring Semester	crs
Chem 1021 Chem Princ I [placement into course or 1015]	4	Chem 1022 Chem Princ II [C- or better in 1021]	4
Math 1155 Intensive precalc	5	Math 1271 Calc I	4
Lib Ed*	3 or 4	Phys 1301W Intro Phys I [&Math 1271 or &Math 1371]	4
Lib Ed*	3 or 4	Lib Ed*	3 or 4

*You should try to take EngC 1011 in your freshman year.

Sophomore Year

Fall Semester	crs	Spring Semester	crs
Chem 2101 Intro Anal Chem [1022]	3	Chem 2301 Org Chem I [C- or better in 1022]	3
Chem 2111 Intro Anal Chem Lab [2101 or &2101]	2	UD Math 2374 or 2263 [Math 1272 or 1372]	4
Math 1372 Calc II [Math 1271 or 1371]	4	Lib eds	6 to 8
UD Phys 1302W Intro Phys II [1301, &Math 1272 or &Math 1372]	4	Stat 3021 Intro to Prob and Stat ** [Math 1272 or 1372] (or you may take Math 2373 or Phys 2303 or 2503 in a later term)	3 or 4
Lib ed	3		

Shaded courses are offered once a year. Prerequisites are listed under the course name.

UD You must have at least a 2.00 technical GPA for admission to upper division Chemistry. This GPA includes all calculus, physics, chemistry, computer science, and engineering courses. In addition, courses with UD need to be completed before you apply, unless you have at least a 2.50 tech GPA and the courses in progress.
(For students admitted to the University prior to Fall 2002, the 2.00 GPA includes all courses taken at the U.)

Junior Year

Fall Semester	crs	Spring Semester	crs
UD Chem 2302 Org Chem II [C- or better in 2301]	3	Chem 3501 Intro th Thermo, Kinetic, Stat Mech [1022, Math 2263 or 2374, Phys 1302]	3
Chem 2311 Organic Lab [C- or better in 2302 or &2302]	4	Advanced tech elective	3
Chem 3502 Intro to Quantum Mech and Spectroscopy [1022, &Math 2374, Phys 1302]	3	Advanced lab elective	2
Math 2373 or 2243 ** (or Stat or Phys) [Math 1272 or 1372]	4	Advanced tech elective	3
Elective	3	Phys 2303 Intro Phys III or Math or Stat [Phys 1302, Math 1372]	4

Senior Year

Fall Semester	crs	Spring Semester	crs
Chem 4701 Inorg Chem [2311, 3501 or &3501 or 3502 or &3502]	3	Advanced lab elective	2
Advanced Chem lecture elective	3	Lib ed	3
Advanced lab elective	2	Electives	
Electives			

Courses with a double-lined border are Writing Intensive (WI) courses and count toward your writing requirement. You are required to complete four writing intensive courses, one of which must be at the 3xxx-level, and one of which must be in your major department.
Chem 4094 - Directed Research - is WI.

Math 2373 and 2243 are Linear Algebra and Differential Equations.
Math 2374 and 2263 are Multivariable Calculus and Vector Analysis.

You need 120 semester credits to earn your degree.