

CHEMISTRY DEGREE REQUIREMENTS

BASIC REQUIREMENTS

Math 2A ____ 2B ____ 2D/H2D ____
(Physics 7A ____) Physics 7B ____ D ____ E ____; (7LA ____) 7LB ____ LD ____
Chemistry 1A/H2A ____ B ____ C ____; M2LA/H2LA ____ LB ____ LC ____
Chemistry 5 ____
Chemistry H52A ____ B ____ C ____; H52LA ____ LB ____ LC ____ **OR**
51A ____ B ____ C ____; 51LA ____ LB ____ LC ____
Chemistry 107 ____ 107L ____
Chemistry 131A ____ B ____ C ____ or 130A ____ B ____ C ____
Chemistry 151 ____ 151L ____

Electives (5 Courses; at least 3 of the courses must be offered by the Chemistry department, including at least 1 Chemistry lecture course and 1 Chemistry lab course.)

Two lecture courses chosen from the following:

Bio Sci 98 ____ 99 ____
Chemistry 125 ____ 127 ____ 128 ____ 135 ____ 137 ____ 138 ____ 177 ____
any from 201-205 ____ any from 213-249 ____ 262 ____ 271 ____ 272 ____
Earth System Science 122 ____ 130 ____
Engineering CBEMS 110 ____ CBEMS 112 ____ CBEMS120A ____ CBEMS120B ____ CBEMS130 ____
CBEMS 135 ____ CBEMS 145 ____
CEE162 ____ CEE165 ____
Physics 111A ____ B ____ 112A ____ B ____

Two laboratory courses chosen from the following:

Bio Sci M114L ____ M116L ____
Chemistry 128L ____ 152 ____ 153 ____ 156 ____ 160 ____ 170 ____ 177L ____ 180 ____ (may be counted once)
Engineering CBEMS 140A ____ 140B ____
Physics 120 ____ 121 ____

Optional Concentration in Biochemistry (May be used to fulfill the lecture and lab electives, where overlap exists.)

Required courses:

Bio Sci 97 ____ 98 ____ 99 ____
Chemistry 128 ____ 128L ____

Three electives chosen from the following:

BioSci D103 ____ D104 ____ D111L ____ D137 ____ D147 ____ D151 ____ D152 ____
E109 ____ E112L ____ M114 ____ M114L ____ M116 ____ M116L ____ M121 ____ M121L ____ M122 ____ M122L ____
M124 ____ M124L ____ M128 ____ M130 ____ M133 ____ M137 ____ M140 ____ M144 ____ N110 ____ N132 ____

Optional Concentration in Chemical Education

Education 173 ____ or 176 ____
Physical Sciences 5 ____ 105 ____ 106 ____

Optional American Chemical Society Certification

Bio Sci 98 ____ or Chemistry 128 ____
Math 2J ____ and 3D ____

All courses must be taken for a letter grade. Calculus based introductory physics (Physics 7BDE) is **required** among the BASIC requirements.