

Bachelor of Science in Chemistry Degree Requirements

(For students declaring chemistry as their major Spring Quarter 2010 or later)

1) Mathematics (MATH)

- a) Regular or Honors
 124 (5) 134 (5)
 125 (5) 135 (5)
 126 (5) 136 (5)
- b) Additional Math – one approved 300 level or higher. Recommended:
 308 (3) or AMATH 352
Students who have taken the Honors 134, 135, 136 sequence are exempt from this additional math requirement.

2) Physics (PHYS)

- a) Calculus-based or Algebra-based
 121 (5) 114 (4)
 122 (5) 115 (4)
 123 (5) 116 (4)
The calculus-based series is recommended.
NOTE: One credit lab is included with each course in the calculus-based physics series.
- b) One credit of laboratory
 117, 118, 119 (1)

3) General Chemistry (CHEM)

- Regular or Advanced or Honors
 142 (5) 144 (5) 145 (5)
 152 (5) 154 (5) 155 (5)
 162 (5) 164 (5) 165 (5)

4) Inorganic Chemistry (CHEM)

- 312 Lecture (3)
for students who took 142-152-162
- or
- 416 Transition Metals Lecture (3)
for students who took 145-155-165

5) Organic Chemistry (CHEM)

- a) Lecture
Regular or Honors
 237 (4) 335 (4)
 238 (4) 336 (4)
 239 (3) 337 (4)
- b) Laboratory
 241 (3) or 346 (3)
Organic laboratory begins with the second lecture course.

6) Physical Chemistry (CHEM)

- Regular
 455 (3)
 456 (3)
 457 (3)

7) Chemistry Labs (CHEM)

- a) two of the three labs: Chem 317(4), 321 (5), and 461(3)
- b) five additional credits from the following:
CHEM 242(3), 317(4), 321(5), 347(3), 426 (3), 461(3), 462(2 or 3), 463(2), 465(3), or BIOC 426(4).

8) Science Electives (11 credits)

- 400 level CHEM/BIOC lecture or lab courses (EXCEPT CHEM 498)
 - Students who have a chemistry grade point average of 3.3 can apply up to six credits of CHEM 399 or 499 research
 - Math 307 or AMATH 351 recommended
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Note: This sheet outlines the degree requirements for the non-ACS certified chemistry degree. An ACS-Certified degree is described in a separate worksheet. For more information see the website: http://depts.washington.edu/chemugs/degree_req.html or e-mail advisers@chem.washington.edu.