Bachelor of Science in Chemistry
Degree Requirements

1) Mathematics (MATH)

a) Regular or Honors
   - 124 (5) or 134 (5)
   - 125 (5) or 135 (5)
   - 126 (5) or 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) or 114 (4)
   - 122 (5) or 115 (4)
   - 123 (5) or 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 Honors or Accelerated
   - 142 (5) or 145 (5) or 143 (6)
   - 152 (5) or 155 (5) or 153 (6)
   - 162 (5) or 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) or 335 (4)
   - 238 (4) or 336 (4)
   - 239 (4) or 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:

8) Science Electives (11 credits)

   - 400 level CHEM/BIOC lecture or lab courses
   - 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 or STAT 311 also count as a science elective

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.