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)
      - 125 (5)
      - 126 (5)
   b) Additional Math – one approved 300 level or higher. Recommended:
      - 308 (3)
      - 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)
      - 122 (5)
      - 123 (5)
      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)
   - 152 (5)
   - 162 (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
      - 237 (4)
      - 238 (4)
      - 239 (3)
   b) Laboratory
      - 241 (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 (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

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.