Bachelor of Science in Chemistry
Degree Requirements

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 Honors or Accelerated
   □ 142 (5) □ 145 (5) □ 143 (6)
   □ 152 (5) □ 155 (5) □ 153 (6)
   □ 162 (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 (4) □ 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.