PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN CHEMISTRY WITH AMERICAN CHEMICAL SOCIETY CERTIFICATION

A. General Requirements
   Core Areas A, B, C, D, and E ............................................................... 42 hours
   Chemistry majors are required to take MATH 1113 in core area A and MATH 1161 in core area D
   Area F ................................................................. 18 hours
   CHEM 1211 and 1212 (and labs) - Principles of Chemistry I, II (unless taken to satisfy area D, in which case
   replace with 8 hours of lower division electives)
   PHYS 2211/2211L - Principles of Physics I and
   PHYS 2212/2212L - Principles of Physics II
   One hour excess for MATH 1161 from core area D (or A)
   One hour excess from MATH 2072
   Physical Education ...................................................... 3 hours

B. Major Field Courses ................................................................. 44 hours
   CHEM 2101/2101L - Organic Chemistry I
   CHEM 2102/2102L - Organic Chemistry II
   CHEM 2300 - Principles of Chemical Analysis
   CHEM 2700 - Descriptive Chemistry
   CHEM 3200 - Inorganic Chemistry
   CHEM 3300 - Instrumental Analysis
   CHEM 3401 - Physical Chemistry I
   CHEM 3402 - Physical Chemistry II
   CHEM 3801 - Biochemistry I
   CHEM 4500 - Chemistry Seminar
   CHEM 4991 - Advanced Chemical Research (3 hours)
   Two courses from:
   CHEM 4100 - Advanced Organic Chemistry
   CHEM 4200 - Advanced Inorganic Chemistry
   CHEM 4300 - Advanced Analytical Chemistry
   CHEM 4400 - Advanced Physical Chemistry

C. Related Field Course ............................................................. 7 hours
   MATH 2072 (1 hour in area F)
   MATH 2083

D. Electives ................................................................. 9 hours
   9 hours of upper-division electives

Total Semester Hours 123 hours

E. Regents’ Test and Exit Exam