Chemistry Advanced Major Program

Science A Chemistry	42 credits with these required course: 6 credits introductory CHEM 101/102 ☐ **or** CHEM 121/122 ☐, 9 credits analytical CHEM 265 ☐, CHEM 361 ☐, and CHEM 362 ☐, 6 credits inorganic CHEM 245 ☐, and CHEM 341 ☐, 6 credits organic CHEM 221/222 ☐, 6 credits physical CHEM 231 ☐, and CHEM 232 ☐, 3 credits biochemistry CHEM 255 ☐, 6 credits CHEM electives from 331, 332, 342, 421, 422, 445 _____ ☐ _____ ☐ Students must also **complete** the junior **and** senior seminars CHEM 391 ☐ and CHEM 491 ☐ - non-credit courses
Science B Mathematics	12 credits _____ ☐ _____ ☐ _____ ☐ Must include MATH 106/107 or 121/122 or 126/127 (calculus I/II) and 6 credits from these 3-credit courses: MATH 253 (matrix algebra), MATH 254 (linear algebra), MATH 267 (calculus III), MATH 367(or 221) (differential equations)
Science C Physics	6 credits: PHYS 121 ☐ and PHYS 122 ☐
Arts X	12 credits: in a single Humanities or Social Science discipline _____ ☐ _____ ☐
Arts Y	6 credits: Humanities or Social Science elective other than Arts X _____ ☐
Approved electives	18 credits: CHEM 325 (structural, junior year, 3-cr) ☐ and electives from Science, MATH, CSCI, STAT courses and PHIL 210 _____ ☐ _____ ☐ _____ ☐ _____ ☐
Open elective	24 credits: any Arts or Science faculty courses - students who transfer from other programs may include up to 18 credits of professional courses here _____ ☐ _____ ☐ _____ ☐ _____ ☐

Grade requirements:
- Overall average of 65% or better in the first two years
- Grades of 65% or better in each Advanced Majors course
- General average of 70% or better in each of the final two years
- Average of 70% or better in the Advanced Majors courses in each of the final two years