

Chemistry Honours Program

Science A Chemistry	60 credits: 6 credits introductory CHEM 101/102 <input type="checkbox"/> or CHEM 121/122 <input type="checkbox"/> , 9 credits analytical CHEM 265 <input type="checkbox"/> , CHEM 361 <input type="checkbox"/> , and CHEM 362 <input type="checkbox"/> , 9 credits inorganic CHEM 245 <input type="checkbox"/> , CHEM 341 <input type="checkbox"/> , and CHEM 342 <input type="checkbox"/> , 12 credits organic CHEM 221/222 <input type="checkbox"/> , CHEM 421 <input type="checkbox"/> , and CHEM 422 <input type="checkbox"/> , 12 credits physical CHEM 231 <input type="checkbox"/> , CHEM 232 <input type="checkbox"/> , CHEM 331 <input type="checkbox"/> , and CHEM 332 <input type="checkbox"/> , 3 credits biochemistry CHEM 255 <input type="checkbox"/> , 3 credits honours thesis CHEM 493 <input type="checkbox"/> , 6 credits elective (may be in another science) _____ <input type="checkbox"/> Students must also complete the junior and senior seminars (CHEM 391 <input type="checkbox"/> and CHEM 491 <input type="checkbox"/>) - non-credit courses
Science B Mathematics	12 credits: _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> Must include MATH 106/107 or 121/122 or 126/127 (calculus I/II) and 2 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 <input type="checkbox"/> and PHYS 122 <input type="checkbox"/>
Arts X	12 credits: a single Humanities or Social Science discipline _____ <input type="checkbox"/> _____ <input type="checkbox"/>
Arts Y	6 credits: a second Humanities or Social Science discipline _____ <input type="checkbox"/>
Approved electives	18 credits: CHEM 325 (structural, junior year, 3 cr) <input type="checkbox"/> and electives from Science, MATH, CSCI, STAT courses and PHIL 210 <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/>
Open elective	6 credits: any Arts or Science course(s) _____ <input type="checkbox"/>

Grade requirements:

- Overall average of 75% or better in each of the first two years
- 70% or better in each Honours course; 75% or better for average of Science A courses
- Overall average of 75% or better in each of the final two years
- Normally 70% or better in each Honours course and an overall 75% average for the Honours courses in the final two years