

# Chemistry Major within BSc program

## Chemometrics (Chemical Measurement and Data Analysis)



### Core Courses

### Major (Chem)

### Co-Major (Stats)

### Electives

	Core Courses		Major (Chem)	Co-Major (Stats)	Electives
<b>1000 level</b> (1 <sup>st</sup> year)	<b>Data analysis core:</b>  <b>10 units</b>  STAT1070	<b>Maths Core:</b>  <b>10 units</b>  MATH1210 (See note 1)	<b>20 units</b>  CHEM1010 CHEM1020	<b>20 units</b>  MATH1220 STAT2000	<b>20 units</b>  SENG1110 or INFT1004 + 10 units free choice
<b>2000 level</b> (2nd year)	<b>Scientific practice core:</b>  <b>10 units</b>  SCIT2000		<b>40 units</b>  CHEM2210 CHEM2310 CHEM2110 CHEM2410	<b>20 units</b>  MATH2310 STAT2010	<b>10 units</b>  MATH2320
<b>3000 level</b> (3 <sup>rd</sup> year)			<b>40 units</b>  CHEM3110 CHEM3410 CHEM3560 CHEM3570	<b>20 units</b>  MATH3820 STAT3030	<b>20 units</b>  Student choice

SUGGESTED  
CAREER PATHS

- Notes:**
1. Specific HSC Mathematics knowledge assumed. See degree rules or course descriptions for more information.
  2. Statistics is a co-major designed to complement **any** other major within the BSc such as the Chemistry major as shown here. Students must qualify for both majors. See the degree rules for more information.
  3. This is only a **suggested** pathway. Other pathways are possible. See degree rules, course descriptions for more information. Program officers or academic staff can provide further advice.
  4. This pathway requires students to take STAT2010 in their first year to make room for MATH2320 Linear Algebra which is important for Chemometric applications.

**THIS INFORMATION IS CURRENT AS AT FEBRUARY 2012 AND IS SUBJECT TO CHANGE**