

In order to check what you need to graduate with Chemistry as a major in your curriculum, have a look at the following guide. **NOTE:** please refer to the College Handbook for all rules pertaining to any modules. Should you have any enquiries about your degree structure please make an appointment at our Central Teaching Office to meet with one of our Directors of Studies.

## Chemistry Major

| Level 1    |        |             |        |   |
|------------|--------|-------------|--------|---|
| Semester I |        | Semester II |        | Substitutes:<br><ul style="list-style-type: none"> <li>MATH130 for MATH 150</li> <li>MATH 140 for MATH 145</li> <li>PHYS 110 for PHYS131</li> <li>PHYS120 for PHYS 132</li> </ul> <b>NOTE:</b> Maximum of 160 Level 1 credits can be used for degree.<br>MATH130 & MATH140 – main stream MATH<br>PHYS110 & PHYS120 – PHYS major |
| Course     | Credit | Course      | Credit |   |
| CHEM110    | 16     | CHEM120     | 16     |   |
| MATH150    | 16     | MATH145     | 16     |   |
| PHYS131    | 16     | PHYS132     | 16     |   |
| Elective   | 16     | Elective    | 16     |   |

| Level 1 - Possible electives |        |             |        |   |
|------------------------------|--------|-------------|--------|---|
| Semester I                   |        | Semester II |        | Substitutes:<br><ul style="list-style-type: none"> <li>BIOL101/BIMI120 - gets you into life sciences major</li> <li>GEOG110/ENVS120 – gets you into environmental sciences major</li> </ul> |
| Course                       | Credit | Course      | Credit |   |
| BIOL101                      | 16     | BIMI120     | 16     |   |
| STAT130                      | 16     | ENVS120     | 16     |   |
| GEOG110                      | 16     | COMP106     | 16     |   |

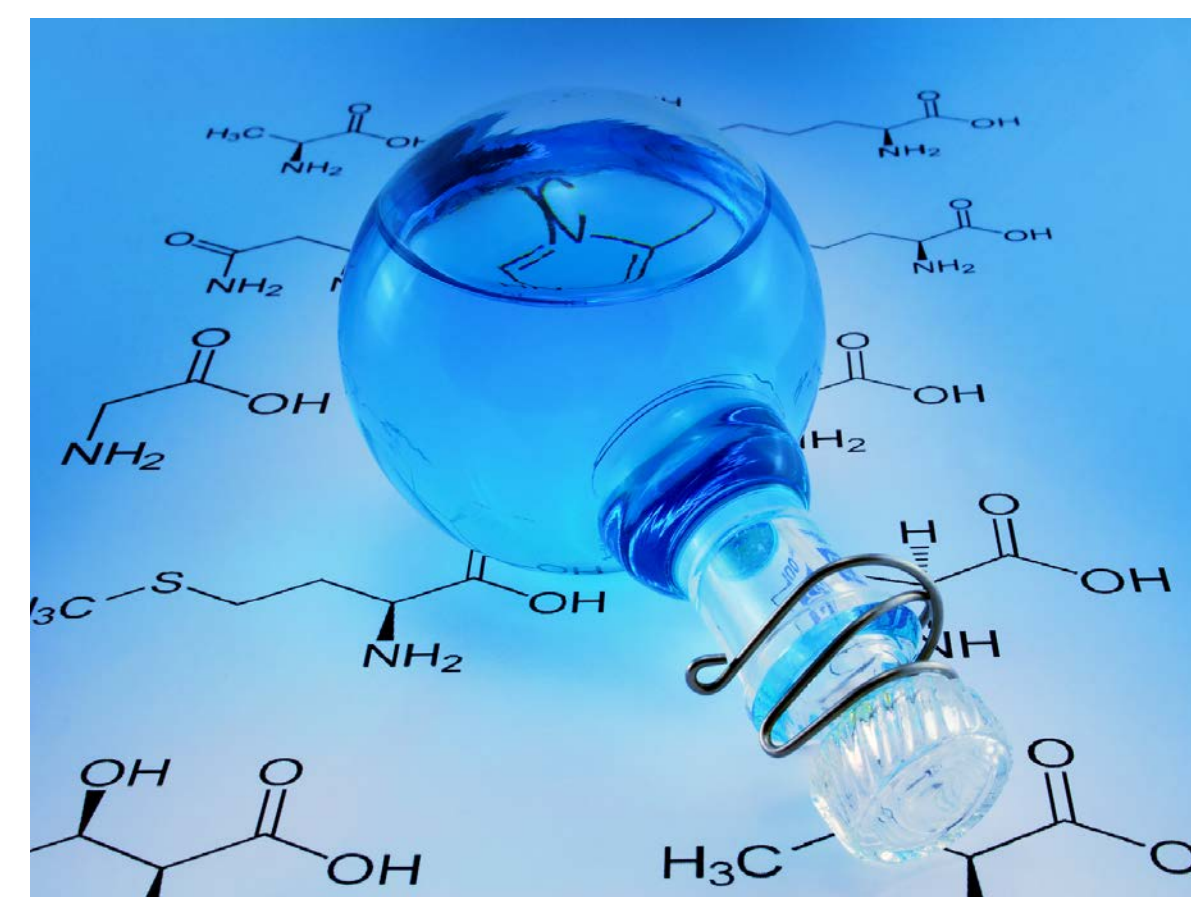
**NOTE:** The School recommends that those students that need to do an approved isiZulu module (See handbook rule BR9) should consider doing this during their second year of studies.

## Applied Chemistry

| Level 1    |        |             |        |  |
|------------|--------|-------------|--------|--|
| Semester I |        | Semester II |        | Substitutes:<br><ul style="list-style-type: none"> <li>MATH130 for MATH 150</li> <li>MATH 140 for MATH 145</li> <li>PHYS 110 for PHYS131</li> <li>PHYS120 for PHYS 132</li> </ul> <b>NOTE:</b> Maximum of 160 level 1 credits can be used for degree.<br>MATH130 & MATH140 – main stream MATH<br>PHYS 110 & PHYS120 – PHYS major |
| Course     | Credit | Course      | Credit |  |
| CHEM110    | 16     | CHEM120     | 16     |  |
| MATH150    | 16     | MATH145     | 16     |  |
| PHYS131    | 16     | PHYS132     | 16     |  |
| Elective   | 16     | Elective    | 16     |  |

\* Note that entry into Applied Chemistry is limited and is based on merit. Hence, choose electives wisely just in case you don't get into Applied Chemistry.

| Level 2    |        |             |        |  |
|------------|--------|-------------|--------|--|
| Semester I |        | Semester II |        | <ul style="list-style-type: none"> <li>CHEM110 &amp; CHEM120 (55%) must be passed</li> <li>Minimum of 96 credits must be obtained at Level 2</li> <li>24 credits of appropriate MATH at Level 1 required in order to register for CHEM230</li> </ul> |
| Course     | Credit | Course      | Credit |  |
| CHEM210    | 16     | CHEM230     | 16     |  |
| CHEM220    | 16     | Major       | 16     |  |
| Major      | 16     | Major       | 16     |  |
| Elective   | 16     | Elective    | 16     |  |



| Level 2    |        |             |        |  |
|------------|--------|-------------|--------|--|
| Semester I |        | Semester II |        | <ul style="list-style-type: none"> <li>Entry based on MERIT (Level 1 credit weighted average)</li> <li>CHEM110 &amp; CHEM120 (55%) must be passed</li> <li>Minimum of 96 credits must be obtained at Level 2</li> <li>24 credits of appropriate MATH at Level 1 required in order to register for CHEM230</li> </ul> |
| Course     | Credit | Course      | Credit |  |
| CHEM210    | 16     | CHEM230     | 16     |  |
| CHEM220    | 16     | APCH211     | 16     |  |
| APCH221    | 16     | APCH231     | 16     |  |
| STAT130    | 16     | COMP106     | 16     |  |

| Level 3    |        |             |        |   |
|------------|--------|-------------|--------|---|
| Semester I |        | Semester II |        | <ul style="list-style-type: none"> <li>CHEM220, CHEM210 &amp; CHEM230 must be passed</li> <li>24 credits in PHYS Level 1 required in order to register for CHEM330 and CHEM340</li> <li>Minimum of 128 credits must be obtained at Level 3</li> </ul> |
| Course     | Credit | Course      | Credit |   |
| CHEM330    | 16     | CHEM310     | 16     |   |
| CHEM340    | 16     | CHEM320     | 16     |   |
| Major      | 16     | Major       | 16     |   |
| Major      | 16     | Major       | 16     |   |

| Level 3    |        |             |        |   |
|------------|--------|-------------|--------|---|
| Semester I |        | Semester II |        | <ul style="list-style-type: none"> <li>CHEM220, CHEM210, CHEM230 &amp; APCH211, APCH221 and APCH231 must be passed</li> <li>24 credits in PHYS Level 1 required in order to register for CHEM 330 and CHEM 340</li> <li>Minimum of 128 credits must be obtained at Level 3</li> </ul> |
| Course     | Credit | Course      | Credit |   |
| CHEM330    | 16     | CHEM310     | 16     |   |
| CHEM340    | 16     | CHEM320     | 16     |   |
| APCH312    | 16     | APCH332     | 16     |   |
| APCH322    | 16     | APCH342     | 16     |   |