Bachelor Of Science
Stream: General
Qualification code: 98801 - GEN  NQF Exit level: 7  Total credits: 360
This qualification will be presented using both online and distance learning modes.

Admission requirements: A National Senior Certificate (Degree endorsement) with at least 50% in the language of teaching and learning, with at least 50% in Mathematics and Physical Science. Students who qualify in terms of the statutory requirements but do not meet the additional requirements, may follow Unisa's alternative pathways or consider applying for a lower level qualification for which they meet the statutory and additional requirements.

Rules: 1. The curriculum for the BSC degree consists of:
   a. THIRTY MODULES
   b. At least TWENTY-FOUR of the thirty modules must be from the list below.
   c. Not more than EIGHT of the thirty modules may be on the first level (NQF level 5).
   d. At least TEN modules must be on third level (NQF level 7).
   e. Not more than THREE courses on first year level (the equivalent of 6 modules) maybe in Subjects from the curricula of first Bachelor’s degrees of other colleges.
   f. Refer to my Modules. for the Major subject combination

Example: BSC Degree with Computer Science and Chemistry as Major Subjects

First level
Module | Pre-requisite/Co-requisite/Recommendation
---|---
**Computer Science**
COS1501 - Theoretical Computer Science I  
COS1511 - Introduction to Programming I  
   | Co-requisite: EUP1501 (or XU P1501)(Only applicable to NDEEN, 98906, 98907 & 98801 streams not listed above)
COS1512 - Introduction to Programming II  
   | Pre-requisite: COS1511 (or XOS1511)

**Chemistry**
CHE1501 - General Chemistry IA  
CHE1502 - General Chemistry IB  
CHE1503 - Chemistry I (Practical)  
   | Pre-requisite: CHE1501, CHE1502 & CHE1503  
   | Pre-requisite: CHE1501 (or XHE1501)  
   | Pre-requisite: CHE1501 (or XHE1502)  
MAT1512 - Calculus A  
   | Pre-requisite: COS1511 (or XOS1511)

   Plus 1 other module from the College

Second level
Module | Pre-requisite/Co-requisite/Recommendation
---|---
**Computer Science**
COS2601 - Theoretical Computer Science II  
COS2611 - Programming: Data Structures  
COS2614 - Programming: Contemporary Concepts  
COS2661 - Formal Logic II  
   | Pre-requisite: COS1501 (or XOS1501)
   | Pre-requisite: COS1512 (or XOS1512)  
   | Pre-requisite: COS1512 (or XOS1512)

**Chemistry**
CHE2611 - Inorganic Chemistry II (Theory)  
CHE2621 - Inorganic Chemistry II (Practical)  
CHE2612 - Physical Chemistry II (Theory)  
CHE2622 - Physical Chemistry II (Practical)  
CHE2613 - Organic Chemistry II (Theory)  
CHE2623 - Organic Chemistry II (Practical)  
CHE2614 - Analytical Chemistry II (Theory)  
CHE2624 - Analytical Chemistry II (Practical)  
   | Pre-requisite: CHE2614 & CHE2624  
   | Pre-requisite: MAT1512 & MAT1512  
   | Pre-requisite: MAT1512 & CHE2612  
   | Pre-requisite: CHE2611 & CHE2621  
   | Pre-requisite: CHE2611 & CHE2621  
   | Pre-requisite: CHE2614 & CHE2624  
   | Pre-requisite: CHE2614 & CHE2624  
   | Pre-requisite: CHE2614 & CHE2624  
   | Pre-requisite: CHE2614 & CHE2624  
   | Pre-requisite: CHE2614 & MAT1512  
MAT2612 - Introduction to Discrete Mathematics  
   | Pre-requisite: MAT1512

   Plus 3 other modules from the College

Third level
Module | Pre-requisite/Co-requisite/Recommendation
---|---
**Computer Science**
COS3701 - Theoretical Computer Science III  
COS3711 - Advanced Programming  
COS3721 - Operating Systems and Architecture  
COS3751 - Techniques of Artificial Intelligence  
   | Pre-requisite: COS2601  
   | Pre-requisite: COS2611 & COS2614  
   | Pre-requisite: COS2614  
   | Pre-requisite: COS2611 & COS2661
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Pre-requisite</th>
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<tr>
<td>COS3761</td>
<td>Formal Logic III</td>
<td>Pre-requisite: COS2661</td>
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<tr>
<td>CHE3701</td>
<td>Inorganic Chemistry III</td>
<td>Pre-requisite: CHE2611, CHE2621</td>
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<tr>
<td>CHE3702</td>
<td>Physical Chemistry III</td>
<td>Pre-requisite: CHE2613 &amp; CHE2622</td>
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<tr>
<td>CHE3703</td>
<td>Organic Chemistry III</td>
<td>Pre-requisite: CHE2614, CHE2624</td>
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<tr>
<td>CHE3704</td>
<td>Analytical Chemistry III</td>
<td>Pre-requisite: CHE2614, CHE2624</td>
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<tr>
<td>CHE3721</td>
<td>Inorganic Chemistry III (Practical)</td>
<td>Pre-requisite: CHE2611 &amp; CHE2621</td>
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The letter M before the name of a subject indicates that it may be selected as a major subject.

### Subjects

<table>
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<tr>
<th>M Applied Mathematics</th>
<th>M Botany</th>
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<tbody>
<tr>
<td>M Astronomy</td>
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<td>M Archaeology</td>
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<td>M Biochemistry</td>
<td>M Psychology</td>
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