## School of Agriculture and Natural Sciences  
Department of Natural Science  
Chemistry ACS Certified (Non-Teaching) Program

<table>
<thead>
<tr>
<th>Chemistry Major and Respective Benchmark</th>
<th>Benchmarks</th>
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<tr>
<td><strong>(Chemistry) Level Qualifying</strong></td>
<td><strong>Benchmarks</strong></td>
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| **Level: First Semester Freshman Year**  | Enrolled in BIOL 111 and BIOL 113  
Enrolled in MATH 109  
Enrolled in CHEM 111 and CHEM 113  
Enrolled in DNSC 100  
Enrolled in ENGL 101 |
| **Level 1: Second Semester Freshman Year through First Semester Sophomore Year** | Successful completion (Grade of C or better) of CHEM 112 & 114  
Successful completion of ENGL 102 |
| **Level 2: Second Semester Sophomore Year through First Semester Junior Year** | Successful completion of CHEM 212 & 214  
Successful completion of CHEM 311 & 312  
Successful completion MATH 112 |
| **Level 3: Second Semester Junior Year through First Semester Senior Year** | Successful completion of CHEM 341 & 343  
Successful completion of PHYSICS 182 & 184  
Successful completion of Senior Seminar CHEM 497 and |

**Total Credits to complete (Chemistry): 120**