<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
<th>CR</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101</td>
<td>Written Communication</td>
<td>3</td>
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<tr>
<td>ENGL 102</td>
<td>Written Communication</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 305</td>
<td>Physical Chemistry 1</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 306</td>
<td>Physical Chemistry 2</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 325</td>
<td>Quantitative Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 454</td>
<td>Instrumental Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 481</td>
<td>Biochemistry</td>
<td>4</td>
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</tbody>
</table>

**Written Communication (CR 3)**

**Oral Communication (CR 3)**

Students choice from GEM 2

3

**Mathematical Ways of Knowing (CR 3)**

MATH 170 Calculus 1

5

**Scientific Ways of Knowing (CR 5)**

PHYS 211/L Physics for Scientists and Engineers 1

CHEM 111/L Principles of Chemistry 1

5

**Humanistic & Artistic Ways of Knowing (CR 3 to 4)**

Students choice from GEM 5

3 to 4

Students choice from GEM 5 (must be a different discipline than previously selected GEM 5)

3 to 4

**Social & Behavioral Ways of Knowing (CR 3)**

EDUC 120*** Foundations of Education

PSYC 101 General Psychology

3

**Connecting with Ideas (CR 3)**

CWID 101 Connecting with Ideas

3

**Global Perspectives (CR 3)**

EDUC 200 Education Around the World

3

**Additional CWI courses that also meet LCSC BA/BS Degree Requirements (CR 3 to 5)**

EDUC 220 Diversity in Schools

PSYC 201 Child and Adolescent Development

EDUC 280 Integrated Teaching and Field Experience

CHEM 112/L Principles of Chemistry 2

CHEM 299/L Organic Chemistry 2

CHEM 298/L Organic Chemistry 1

PHYS 212/L Physics for Scientists and Engineers 2

EDUC 290 Education Capstone

EDUC 230 Introduction to Special Education

3

**Choose 7 credits upper division math or science credits (CR 7)**

**Teacher Education Requirements (CR 3)**

ED 318 Assessment of Learning

ED 321 Educational Psychology

ED 445 Instructional Strategies and Classroom Management

ED 449 Teaching Methods in Content Area

ED 224 Technology in the Digital World

RE 422 Reading in the Content Area

ED 424 Media and Technology for Teaching, K-12

ED 460 Professional Internship

ED 452 Professional Seminar

1

**Integrative Seminar: Ethics & Values (CR 1)**

Student does not need this class when transferring with an AA or AS

**Graduation Requirements (CR 32)**

Resident Credits

Upper Division Credits

36

**TOTAL CWI & LCSC Credits (CR 131)**

74 to 76

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**General Education**

- Written Communication
- Oral Communication
- Mathematical Ways of Knowing
- Scientific Ways of Knowing
- Humanistic & Artistic Ways of Knowing
- Social & Behavioral Ways of Knowing
- Connecting with Ideas
- Global Perspectives
- Additional CWI courses that also meet LCSC BA/BS Degree Requirements
- Teacher Education Requirements
- Integrative Seminar: Ethics & Values
- Graduation Requirements

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**Notes:**

- This advising guide is based on completion of an Associate's degree (AA/AS) in Secondary Chemistry at the College of Western Idaho with additions made to meet lower division requirements.
- Students who transfer without being core complete may need to take additional LCSC General Education core courses.
- 32 Residency (LCSC) credits required for graduation/36 must be upper division.

A minimum grade of "C" or better and a minimum 3.0 GPA is required for all General Education courses. A minimum grade of "B-" or better is required in all Secondary Education Program courses. A minimum GPA of 3.0 must be maintained in the content area and in the cumulative overall grade point average.