The Academic Map serves as a suggested course sequence only. Students are not limited to this plan; it is meant to be used as a guide for planning purposes. Projected course offerings are subject to change due to faculty availability and student demand.

### Chemistry 7-12, BS

**Fall** | **Credits**
--- | ---
LEP Tier 1: INQ 101 Intellectual and Creative Inq. | 3
LEP Tier 1: Written Communication | 3
LEP Tier 1: MAT 150 Calculus I | 4
CHE 120: General Chemistry I | 4
LEP Tier 1: Critical Thinking | 3
--- | ---
**Total** | **17**

**Fall** | **Credits**
--- | ---
LEP Tier 2: SHE 203 School Health | 3
LEP Tier 2: PHY 230 Physics-SCE & EGR I | 4
CHE 260: Organic Chemistry I | 4
CHE 240: Analytical Chemistry | 4
LEP Tier 3: CHE 301 Prep. of Scientific Document | 1
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**Total** | **16**

**Fall** | **Credits**
--- | ---
LEP Tier 2: HIS 110 or 111 | 3
CHE 435: Inorganic Chemistry | 4
CHE 372: Physical Chemistry Laboratory I | 1
CHE 370: Physical Chemistry I | 3
LEP Tier 2: Natural World II: Life and Environ | 3
EDU 316: Child Dev & Psy for Educators | 3
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**Total** | **16**

**Fall** | **Credits**
--- | ---
SCE 490: Science (Secondary School) | 3
EDU 471: Supporting Eng Learners | 1.5
RDG 470: Literacy in the Content Areas | 1.5
CHE Elective: 300 level or above | 3
LEP Tier 3: CHE 496 Chemistry Seminar | 1
SED 482: Tchng Excep Student:Secondary | 3
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**Total** | **13**

**Spring** | **Credits**
--- | ---
LEP Tier 1: Multilingual Communication | 3
LEP Tier 1: Technological Fluency | 3
LEP Tier 2: Option | 3
MAT 151: Calculus II | 4
CHE 121: General Chemistry II | 4
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**Total** | **17**

**Spring** | **Credits**
--- | ---
LEP Tier 2: EDU 200: Teachers, Schools, & Societ | 3
MAT 252: Calculus III | 4
PHY 231 Physics-SCE & EGR II | 4
CHE 261: Organic Chemistry II | 4
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**Total** | **15**

**Spring** | **Credits**
--- | ---
LEP Tier 2: Option | 3
LEP Tier 2: Option | 3
EDU 413: Secondary Education | 3
CHE 371: Physical Chemistry II | 3
LEP Tier 3: CHE 445 Chemical Hazards/Lab Safet | 1
CHE 436: Advanced Inorganic Chemistry | 1
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**Total** | **14**

**Spring** | **Credits**
--- | ---
SCE 494: Student Teaching -Science | 11
SCE 496: Student Teaching Seminar - SCE | 1
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**Total** | **12**

### Program Notes

1. Students may use free electives to fulfill prerequisite requirements or a minor.
2. This Map was designed for students placed into MAT 150. Other students should take the following math sequence: MAT 100, 112, 122, 150 starting from their first semester. (3) It is very helpful when students take CHE 120 during their first year. CHE 120 has a prerequisite of MAT 100.
3. Need overall GPA of 2.7 and major GPA of 2.0. (5) Students may do a research thesis by taking CHE 490/491 or HON 494/495 as Electives. Apply for admission to the School of Education by end of Spring of second year (must take EDU 200 prior to SoE admission). (6) For more information regarding academic requirements, including the Liberal Education Program (LEP), please visit the program page at http://catalog.southernct.edu. Any questions about academic requirements should be directed to an advisor.