

Chemistry – BS
2017-2018 Student Learning Outcomes

| Outcome | Assessment Methods |
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| 1 <i>Students will demonstrate proficiency in the broad discipline of Chemistry, both early in the curriculum in general chemistry and later in the curriculum as they graduate, and through broad exploration of the sub-disciplines of chemistry, they will develop the capacity for critical thinking.</i> | <p><i>Major Field Test in Chemistry</i></p> <p><i>Subset of questions assess critical thinking</i></p> <p><i>General Chemistry Exam</i></p> <p><i>Placement of graduates in job market and graduate programs</i></p> |
| 2 <i>Students will demonstrate proficiency in the sub-disciplines of Analytical Chemistry.</i> | <p><i>Analytical subset of Major Fields Test in Chemistry</i></p> <p><i>Exit survey</i></p> |
| 3 <i>Students will demonstrate proficiency in Organic Chemistry</i> | <p><i>Organic Sub-section of the MFT in Chemistry</i></p> <p><i>Exit survey</i></p> <p><i>National Exam in Organic Chemistry</i></p> |
| 4 <i>Students will demonstrate proficiency in Physical Chemistry.</i> | <p><i>Physical Chemistry Sub-section of the MFT in Chemistry</i></p> <p><i>Exit Survey</i></p> <p><i>Physical Chemistry Exam</i></p> |
| 5 <i>Students will demonstrate proficiency in Inorganic Chemistry.</i> | <p><i>Inorganic Chemistry Sub-section of the MFT in Chemistry</i></p> <p><i>Exit Survey</i></p> |
| 6 <i>Students will participate in research opportunities as a capstone experience.</i> | <p><i>Exit Survey</i></p> <p><i>Nationally assessed post-research survey</i></p> |