### STUDENT LEARNING OUTCOMES (SLOs)

**Secondary Education Science BS - School of Education, Health and Human Performance**

<table>
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<th>Outcome</th>
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| SLO1: Secondary Science Teacher Candidates will write and instruct an effective unit of content for a secondary science classroom. | **Measure 1:** Secondary Science Teacher Candidates write an effective unit of content for a secondary science classroom.  
**Performance Target 1:** 100% of Secondary Science Teacher Candidates in will achieve a rating of is rating of “Exemplary= 3”, “Proficient=2”, on greater than 90% of the criteria on the standardized National Institute for Excellence in Teaching (NIET) assessment instrument in the Domain of Planning and its three measures. (see attached rubric)  
**Measure 2:** Secondary Science Teacher Candidates implement lesson plans based upon the content area of their placement and certification area as measured on the standardized National Institute for Excellence in Teaching (NIET) assessment instrument and the Instruction and its twelve measures.  
**Performance Target 2:** 100% of Secondary Science Teacher Candidates in EDFS 460: Clinical Practice in the Content Area will achieve an acceptable rating of “Exemplary= 3”, “Proficient=2”, or better on greater than 70% of the criteria on the Planning Domain of National Institute for Excellence in Teaching (NIET) assessment instrument. |
| SLO2: Secondary Science Teacher Candidates will design and conduct science experiments with students that are safe. | **Measure 1:** Secondary Science Teacher Candidates will design science activities that demonstrate safe and proper techniques.  
**Performance Target 1:** 100% of Secondary Science Teacher Candidates in will achieve a rating of is rating of “Exemplary= 3”, “Proficient=2”, on greater than 90% of the criteria on 100% of Secondary Science Teacher Candidates in will achieve a rating of is rating of “Exemplary= 3”, “Proficient=2”, on greater than 90% of the criteria on Observation Safety Rubric on measures 2-8. (see attached rubric)  
**Measure 2:** Secondary Science Teacher Candidates will conduct science experiments with students by creating a safe environment.  
**Performance Target 2:** 100% of Secondary Science Teacher Candidates in will achieve a rating of “Exemplary= 3”, “Proficient=2”, on greater than 90% of the criteria on Observation Safety Rubric on measure 1. (see attached rubric) |
| SLO3: Secondary Science Teacher Candidates will use assessment to inform instruction and explain the nature of science and practices to students. | **Measure 1:** Secondary Science Teacher Candidates will engage students in learning the nature of science (#4 science v. non-science and #5 other ways of knowing).  
**Performance Target 1:** 100% of Secondary Science Teacher Candidates in EDFS 460: Clinical Practice in the Content Area will achieve a rating of “Exemplary= 3”, “Proficient=2”, on greater than 90% of the #4-5 measureson the Candidate Work Sample Addendum instrument. (see attached rubric)  
**Measure 2:** Secondary Science Teacher Candidates will engage students in learning the science practices (#6 student designed experiments and #7 student analysis of data).  
**Performance Target 2:** 100% of Secondary Science Teacher Candidates in EDFS 460: Clinical Practice in the Content Area will achieve a rating of “Exemplary= 3”, “Proficient=2”, on greater than 90% of the #6-7 measureson the Candidate Work Sample Addendum instrument. (see attached rubric) |