**PROGRAM-LEVEL - STUDENT LEARNING OUTCOMES**

**– Applied Analytics- Certificate**

**Division of Arts, Sciences, and Professional Studies**

Program Director: Dan Neville, MS Date Updated: 7/28/2020

| **PLAN** |
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| **EXPECTED PROGRAM LEARNING OUTCOME** |
| **All students completing this program are expected to have achieved the following learning objectives:** |
| **OBJECTIVE 1:**  At the end of the program, the student will be able to employ a contemporary big data architecture platform for data analysis tools. |
| **OBJECTIVE 2:**  At end of the program, the student will be able analyze real-world problems using a contemporary big data architecture platform and associated technologies. |
| **OBJECTIVE 3:**  At the end of the program, the student will be able to demonstrate the ability to manage and manipulate multiple data sets from internal and external systems for inclusion in analysis and reporting. |
| **OBJECTIVE 4:**  At the end of the program, the student will be able to demonstrate competency with data science practices that allow for reproducible results. |
| **OBJECTIVE 5:**  At the end of the program, the student will be able to apply fundamental R programming language concepts. |
| **OBJECTIVE 6:**  At the end of the program, the student will be able to demonstrate knowledge of key project management principles. |