DATA SCIENCE, B.S.

Learning Outcomes

1. Analyze complex data using data science knowledge and concepts; appropriate models and methods; quantitative tools; and problem-solving skills to address research questions

2. Manage complex data sets to be able to extract useful information

3. Synthesize knowledge in the core areas of data science, including statistical, mathematical, and programming fundamentals

4. Identify the ethical, policy, and security considerations and issues of working with data and how its use impacts society

5. Communicate data and reports effectively in either a data visualization, written or oral format appropriate to a non-technical audience