

DATA ANALYTICS

Learning Outcomes

1. **COMMUNICATE** Graduates will be able to effectively communicate technical knowledge, including ideas, data analysis, findings, or decision justification in written formats in a manner appropriate to the audience.
2. **APPLY** Graduates will be able to analyze large data sets to support data-driven decision making.
3. **KNOW** Graduates will demonstrate understanding of machine learning and statistical analysis techniques.
4. **THINK** Graduates will be able to discriminate between descriptive, diagnostic, predictive, and prescriptive analytics and the techniques used in each.
5. **KNOW** Graduates will demonstrate their understanding of technologies used to develop, optimize, and deploy large-scale databases.
6. **PROFESSIONAL PRACTICE.** Graduates will demonstrate knowledge of and ability to practice the professional standards of engineering and professional behavior.