

Data Science and Analytics MS*
2018-2019 Student Learning Outcomes

| Outcome | | Assessment Methods |
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| 1 | Graduates will demonstrate advanced and applied knowledge of computer programming, data organization, data mining, data visualization, and algorithms. | <i>Final exam in Data 505</i> <i>Exit exam</i> |
| 2 | Graduates will demonstrate an advanced understanding in the core area of mathematics and statistics, including optimization, machine learning, regression, and linear algebra. | <i>Final exam in Data 506</i> <i>Exit exam</i> |
| 3 | Graduates will demonstrate the application and synthesis of their data science graduate coursework through the successful completion of a Practicum Experience or Research Thesis. | <i>Practicum reports</i> <i>Final technical report in practicum</i> |

* Preliminary outcomes