

BUSINESS ANALYTICS AND DATA SCIENCE: ADVANCED DATA SCIENCE, MS

Requirements for Students Matriculating in or before Academic Year 2024-2025. Learn more about Graduate College Academic Regulation 7.0 (<http://catalog.okstate.edu/graduate-college/#70>).

Total Hours: 38

| Code | Title | Hours |
|---|--|-----------|
| Required Courses | | |
| BAN 5400 | Practicum in Business Analytics | 2 |
| BAN 5560 | Business Analytics Research and Communications | 1 |
| BAN 5570 | Business Analytics Research and Communications II | 2 |
| BAN 5733 | Descriptive Business Analytics | 3 |
| BAN 5743 | Predictive Business Analytics | 3 |
| BAN 5753 | Advanced Business Analytics | 3 |
| MSIS 5193 | Programming for Data Science and Analytics I | 3 |
| MSIS 5503 | Statistics for Data Science | 3 |
| MSIS 5663 | Advanced Data Wrangling | 3 |
| Hours Subtotal | | 23 |
| Required Option Core Courses | | |
| MSIS 5223 | Programming for Data Science and Analytics II | 3 |
| MSIS 5633 | Predictive Analytics Technologies | 3 |
| Hours Subtotal | | 6 |
| Electives | | |
| <i>Required Option Electives</i> | | |
| Select 6 hours from the following or other courses as approved by the program director: | | 6 |
| MSIS 5303 | Prescriptive Analytics | |
| MSIS 5683 | Advanced Analytics Technologies | |
| MSIS 5713 | Scripting Essentials | |
| MSIS 5900 | Practicum in Management Information Systems | |
| Select 3 hours from the following or other courses as approved by program director: | | 3 |
| BAN 5541 | Using R in Marketing Analytics | |
| BAN 5563 | Strategic Marketing and Business Analytics | |
| BAN 5900 | Advanced Practicum in Business Analytics | |
| ECON 5113 | Managerial Economics | |
| EEE 5863 | CIE Scholar Practicum | |
| FIN 5013 | Business Finance | |
| MKTG 5243 | Base SAS Programming for Database Marketing | |
| MSIS 5243 | Information Technology Forensics and Incident Response | |
| STAT 5013 | Statistics for Experimenters I | |
| STAT 5053 | Time Series Analysis | |

| | |
|----------------|-------------------|
| STAT 5213 | Bayesian Analysis |
| Hours Subtotal | 9 |
| Total Hours | 38 |

Graduate College Master's Program Requirements

Learn more about Graduate College 2024-2025 Master's Degree Program Requirements (<http://catalog.okstate.edu/graduate-college/>). Check the General Graduate College academic regulations for minimal GPA, language proficiency and other general requirements.