

MASTER OF SCIENCE IN ANALYTICS 2019–20

Summer

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Pre-Program Primer

1

Analytics Tools & Techniques

Analytics Foundations

Fall

2

Python R SQL SAS Viya Tableau

Advanced Programming

AWS Hadoop Spark Google Hive Pig

3

Time Series and Forecasting

Logistic Regression

Linear Algebra

4

Machine Learning

Data Mining

Text Analytics

5

Survival Analysis

Big Data I

Spring

5

Design of Experiments

Digital Analytics

Financial Analytics

Big Data II

Optimization

Simulation & Risk

6

Financial Analytics II

Social Network Analysis

Bayesian Statistics

Big Data III

Fraud Detection

Deep Learning

Team Building

Leadership

7

Special Topics

Final Report Prep

Final Presentations

Data Security Data Privacy Data Wrangling Data Ethics Project Management
 Conflict Management Legal Issues Data Visualization Problem-Solving

Practicum

Resume Writing Personal Branding Interview Skills Job Search Negotiation

Communication and Professional Development



INSTITUTE FOR ADVANCED ANALYTICS