

Student ID: _____
Student Name: _____
Adviser Name: _____

Catalog: College Catalog 2016-2017
Program: Data Analytics Minor
Minimum Credits Required: _____

Data Analytics Minor

Student Learning Outcomes for Data Analytics Minor:

Students will be able to:

- Demonstrate significant knowledge of statistics, data mining, and machine learning methods.
- Program (Python or Java) a computer.
- Use statistical (R and base SAS) and data mining (SAS Enterprise Miner) tools.
- Use a database to manage data.
- Demonstrate effective oral and written communication skills.
- Apply their knowledge to a particular application in a capstone project.

The following courses are required:

Course Name	Term Taken	Grade	Gen Ed
DAT 200 - Data Analysis I			
DAT 300 - Data Analysis II <i>*Prerequisite(s):</i> MA 252.			
DAT 315 - Machine Learning <i>*Prerequisite(s):</i> DAT 300, and CS 113 or CS 121.			
DAT 400 - Data Analysis Capstone <i>*Prerequisite(s):</i> Students must have completed 14 credits in the minor.			
CS 113 - NPS The Power and Beauty of Computing or			
CS 121 - Computer Science I			
MA 251 - MA Probability and Statistics			
MA 252 - Statistical Methods in Research <i>*Prerequisite(s):</i> MA 251.			
Approved MOOC (on Python, Hadoop, Business Intelligence, etc.)			

Notes: