



**DEPARTMENT OF
ELECTRICAL ENGINEERING
AND COMPUTER SCIENCE**
 College of Engineering & Computer Science
 Florida Atlantic University

**BIG DATA ANALYTICS - COMPUTER SCIENCE TRACK
CERTIFICATE PROGRAM
ADVISING SHEET (MINIMUM 12 CREDITS)**

Name: _____ Z Number: _____

FAU Start Date: _____ E-mail: _____ Phone: _____

Students must take three courses from the CS Data Analytics course list and one course from the ITOM Business Analytics course list.

CS Data Analytics Courses (Choose 3)

Course	Title	Credits	Semester	Grade
CAP 5615	Introduction to Neural Networks	3		
CAP 5768	Introduction to Data Science	3		
CAP 6315	Social Networks and Big Data Analytics	3		
CAP 6546	Data Mining for Bioinformatics	3		
CAP 6610	Applied Machine Learning	3		
CAP 6619	Deep Learning	3		
CAP 6640	Natural Language Processing	3		
CAP 6673	Data Mining and Machine Learning	3		
CAP 6776	Information Retrieval	3		
CAP 6777	Web Mining	3		
CAP 6778	Advanced Data Mining and Machine Learning	3		
CAP 6780	Big Data Analytics with Hadoop	3		
CAP 6807	Computational Advertising and Real-Time Data Analytics	3		
CEN 6405	Computer Performance Modeling	3		

ITOM Business Analytics Courses (Choose 1)

Course	Title	Credits	Semester	Grade
ISM 6136	Data Mining and Predictive Analytics	3		
ISM 6217	Database Management Systems	3		
ISM 6404	Introduction to Business Analytics and Big Data	3		
ISM 6405	Advanced Business Analytics	3		
ISM 6427C	Business Innovation with Artificial Intelligence	3		
ISM 6555	Social Media and Web Analytics	3		
QMB 6303	Data Management and Analysis with Excel	3		
QMB 6603	Data Analysis for Managers	3		

Advisor Comments:

Advisor Name: _____ Date: _____