



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

**BIG DATA ANALYTICS CERTIFICATE
ADVISING SHEET (MINIMUM 12 CREDITS)**

Name: _____ Z Number: _____

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

Are you pursuing a degree program? YES NO Program name: _____

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(9 credits): Choose three courses from the list below (Note : List updated periodically; see advisor for the list)

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 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		

ITOM Business Analytics Courses(3 credits): Choose one course from the list below.

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		

Course Substitution Section: Requires advisor's written approval.

Course	Title	Credits	Semester	Grade

Advisor Name: _____ Date: _____