

**Data Science - Computer Science Track
Certificate Program
Advising Sheet (minimum 15 credits)**

Name: _____ Z Number: _____

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

Students must take two core courses and three elective courses for a total of minimum 15 credits. All five courses must be completed with a grade of "C" or better.

Core Courses (2 courses)

Course Number and Title	Credits	Semester	Grade
CAP 3786 RI: Introduction to Data Science OR	3		
CAP 4773 Introduction to Data Science and Analytics OR	3		
CAP 5768 Introduction to Data Science	3		
STA 4032 Probability and Statistics for Engineers OR	3		
STA 4442 Probability and Statistics 1 OR	3		
STA 4821 Stochastic Models for Computer Science	3		

Elective Courses (3 courses) – Select two courses from the CS Elective Courses. The third course is either from the CS Elective Courses or from the MathSci Elective Courses.

CS Elective Courses

Course Number and Title	Credits	Semester	Grade
CAP 4613 Introduction to Deep Learning	3		
CAP 4630 Introduction to Artificial Intelligence	3		
CAP 4770 Introduction to Data Mining and Machine Learning	3		
CEN 4400 Introduction to Computer Systems Performance Evaluation	3		
COP 3540 Introduction to Database Structures	3		
COP 4703 Applied Database Systems	3		

MathSci Elective Courses

Course Number and Title	Credits	Semester	Grade
STA 4102 RI: Computational Statistics	3		
STA 4222 Statistical Designs	3		
STA 4241 RI: Statistical Learning	3		
STA 4234 Applied Statistics 1	3		
STA 4202L Applied Statistics 1 Lab	1		
STA 4702 Applied Statistics 2	3		
STA 4853 Applied Time Series and Forecasting	3		

Advisor Comments:

Advisor Name: _____ Date: _____