IAME:		Z #:			
<mark>ache</mark>	lor of Science with Major in Data Science	and Analy	tics		
	Common Core Courses (21cr)				
	Course Title	credits	FAU	Substitute	Institution
	Introductory Statistics	3	STA 2023		
	Tools for Data Science	3	CAP 2751		
	Experimental Design and Data Analysis	3	CAP 2753		
	Mathematics for Data Science	3	MAP 2192		
	Artificial Intelligence for Social Good	3	CCJ 3071		
	Data Science Capstone	3	ISC 4941		
	Data Management and Analysis with Excel	3	QMB 3302		
	Data Management and Analysis with Excel	21cr	QIVID 0002		
ata S	cience in the Natural Sciences Concentra				
utu O	Concentration Core Requirements (9cr)				
	Introduction to Computational Mathematics	3	MAD 2502		
	RI: Introduction to Data Science	3	CAP 3786		
	Computational Statistics	3	STA 3100		
	Computational Classics	9cr	01710100		
	Concentration Core Electives. Choose four cours				
	Constitution Colo Electives eneces fear cours	(1201).			
	Cryptography and Information Security	3	CIS 4362		
	Graph Theory	3	MAD 4301		
	Applied Mathematical Modeling	3	MAP 4103		
	RI: Industrial Problems in Applied Math	3	MAP 4913		
	Topology for Data Science	3	MTG 4325		
	SAS for Data and Statistical Analyses	3	STA 3024		
	Introduction to Biostatistics	3	STA 3173		
	Statistical Designs	3	STA 4222		
	Applied Statistics 1	3	STA 4234		
	Applied Statistics 1 Applied Statistics 1 Lab	1	STA 4202L		
	Probability and Statistics 1	3	STA 4442		
	Probability and Statistics 1 Probability and Statistics 2	3	STA 4443		
	Applied Statistics 2	3	STA 4702		
	Applied Statistics 2 Applied Time Series and Forecasting	3	STA 4853		
	Applied Time Series and Forecasting	12cr	017 4000		
hoose	two courses from any section below (6cr):	1201			
	Arts and Letters Electives				
	Research Methods in Bioarchaeology	3	ANT 4192		
	Information Technology in Public Administration	3	PAD 3712		
	Introduction to the Nonprofit Sector	3	PAD 4144		
	Quantitative Inquiry for Public Managers	3	PAD 4702		
	Research Methods for Public Management	3	PAD 4704		
	RI: Research Methods in Political Science	3	POS 3703		
	Public Opinion and American Politics	3	POS 4204		
	Sociological Analysis: Quantitative Methods	3	SYA 4400		
	Business Startin		1		
	Business Electives		OED 2004		
	Business Communication for Data Analysts	3	GEB 3231		
	Rev Man & Pred Analysis in Hospt & Tourism Ind	3	HFT 4481		

Introduction to Business Analytics and Big Data	3	ISM 3116	
Contemporary Issues of Digital Data Management	3	ISM 4041	+
Data Mining and Predictive Analytics	3	ISM 4117	
Database Management Systems	3	ISM 4212	
Management of Information Assurance and Security	3	ISM 4323	
Advanced Business Analytics	3	ISM 4403	
Social Media and Web Analytics	3	ISM 4420	
Bus Analytics for Mar & Cust Relation Man	3	MAR 4615	
Due / mary nee for that a cuet reduction than		1010	
Engineering Electives			
Introduction to Deep Learning	3	CAP 4613	
Introduction to Artificial Intelligence	3	CAP 4630	
Introduction to Data Mining and Machine Learning	3	CAP 4770	
Introduction to Data Mining and Machine Learning Introduction to Data Science and Analytics	3	CAP 4773	
Introduction to Computer Systems Performance Evalua	3	CEN 4400	
Introduction to Database Structures	3	COP 3540	
Introduction to Database Structures Introduction to Internet Computing	3	COP 3813	
Python Programming	3	COP 4045	
Applied Database Systems	3	COP 4703	
Applied Database Systems	<u> </u>	COP 4703	
Science Electives			
Solar System Astronomy	3	AST 3110	
Laboratory Methods in Biotechnology	3	BSC 4403L	
	3	BSC 4434C	
Concepts in Bioinformatics RI: Introduction to Data Science	3		
	3	CAP 3786 CIS 4362	
Cryptography and Information Security		GEO 4167C	
Spatial Data Analysis	3		
Photogrammetry and Aerial Photograph Interpretation	3	GIS 4021C	
Applications of Geographic Information Systems	3	GIS 4048C	
Geospatial Databases	3	GIS 4118	
Graph Theory	3	MAD 4301	
Applied Mathematical Modeling	3	MAP 4103	
RI: Industrial Problems in Applied Math	3	MAP 4913	
Epidemiology of Infectious Diseases	3	MCB 4276	
Topology for Data Science	3	MTG 4325	
Practical Cell Neuroscience	3	PCB 4843C	
Computational Physics	3	PHZ 3151C	
Mathematical Methods for Physics	3	PHZ 4113	
SAS for Data and Statistical Analyses	3	STA 3024	
Computational Statistics	3	STA 3100	
Introduction to Biostatistics	3	STA 3173	
Statistical Designs	3	STA 4222	
Applied Statistics 1	3	STA 4234	
Probability and Statistics 1	3	STA 4442	
Probability and Statistics 2	3	STA 4443	
Applied Statistics 2	3	STA 4702	
Applied Time Series and Forecasting	3	STA 4853	
Social Work and Criminal Justice Electives		+	
Teen Technology Misuse	3	CCJ 4554	
Methods of Research in Criminal Justice	3	CCJ 4700	
Criminal Justice Technology	3	CJE 3692C	
Crime Analysis	3	CJE 3692C	
Computer Crime	3	CJE 4668	

Research Methods in Social Work	3	SOW 4403						
(Total 48 credits)								
minimums: 120 credits total; 30 credits at FAU								
45 credits upper division (3000-4000)		(11-12 credits U	ts UD Gen Electives)					
*Students must attain a minimum grade of "C" in all major courses to re		Rev. 5/2021						