

MTH 142 Calculus II

MTH 223 Intermediate Statistics

MTH 206 Prob. and Stat. for Engineering and Science

Introductory Statistics Course (Choose One)

MTH 123 Elementary Statistics

Major in Data Science Four-Year Academic Plar

		eptional	Four-	Yea	r Aca	demi	c Plan				
Year	Course Number	Fall		Credit Hours	Earned	Course Number	Spring			Credit Hours	Earned
1		Integrative Core - First-Year Seminar		4			Integrative Core - Foundation			4	
	DSC 140	Data Science Fundamentals		4		DSC 240	Data Analysis and Visualization			4	
	MTH 141	Calculus I		4		MTH 142	Calculus II			4	
		Foreign Language (if needed) or Elective					Foreign Language (if needed) or Elective			4	
			Total	16					Total	16	
Year	Course	Fall Integrative Core - Foundation		Credit	Earned	Course	Spring	Spring			Earned
	Number			Hours 4		Number	Integrative Core	- Foundation		Hours 4	
	DSC 340	-		4		DSC 250	Scientific Modeling & Data Analysis			4	
2	MTH XXX	Machine Learning and Neural Networks		4		BUS 100	Introduction to Business			4	+
	WITH AAA	Introductory Statistics Requirement		+		B03 100					+
		Elective		4	+		Elective			4	+
			I	1.5					T-1-1	1.5	+
			Total	16	_				Total	16	_
Year	Course Number	Fall		Credit Hours	Earned	Course Number	Spring			Credit Hours	Earned
		Integrative Core - Exploration		4			Integrative Core - Exploration			4	
	MTH 223	Intermediate Statistics		4		DSC 350	Data Mining			4	
3	BUS XXX	Ethics Requirement		2			Elective			4	+
		Elective		4			Elective			4	+
		Elective		4							
			Total	18			1		Total	16	
Year	Course	Fall		Credit	Earned	Course	Spring			Credit	Earned
- Cui	Number			Hours	1-0	Number				Hours	
4	DSC 360	Big Data Analytics		4			Integrative Core - Capstone			4	
		Elective		4		DSC 440	Data Science Practicum			2	+
		Elective		4			Elective			4	+
		Elective	I	4			Elective		<u> </u>	4	+
			Total	16				Total Credit Ho	Total urs	14	
Requi	red Core Da	ita Science Courses				Required	Business Course				_
Required Core Data Science Courses DSC 140 Data Science Fundamentals 4					ı.	BUS 100 Introduction to Business 2					
	DSC 240 Data Analysis and Visualization			4							
		Scientific Modeling and Data Analy	veie	4		Ethics Cou	urse (Choose One)			
		DSC 340 Machine Learning and Neural Networks DSC 350 Data Mining							Ethical Issues in Business		
						BUS 335V Business Ethics					2
							500 500 Fabricos Earles				
		Data Science Practicum		4			Total Credits for Data Science Major				46-48
	D3C 440	Data Science Fracticum			<u>-</u>		rotal Credits for	Data Science IVI	ајоі		40-40
Requi	red Mather	natics/Statistics Courses						Requirements	for a Minor in Dat	a Science:	
	MTH 141	Calculus I		4	ļ					DSC 140) 4

DSC 140	4
DSC 240 or DSC 250	4
MTH 123 or MTH 206	4
Electives (see Catalog)	8
Minor Total:	20