

B.S. in Data Science and Machine Learning with Logistics and Transportation Concentration

Freshman Year

Fall Semester

LAS	G	CS 131	Programming I	3
		ENGL 101	Freshman English I	3
		GBUS 100	Intro to Business & Economics	3
		LEAD 101	Leadership/Maritime Experience	1
LAS	G	MATH 101	Calculus I	4
			Semester Credits:	14

Spring Semester

LAS	G	CS 202	Introduction to Data Science	3
		MATH 102	Calculus II	4
		PE 100	Swimming and Life Time Fitness	1
LAS	G		DEISJ Elective	3
LAS	G	(1)	GenEd: Natural Science	4
			Semester Credits:	15

Sophomore Year

Fall Semester

LAS		MATH 211	Calculus III	4
LAS		MATH 213	Discrete Mathematics	3
LAS	G	MATH 251	Statistics	3
LAS	G		General Education Elective	3
LAS			LAS Elective	3
			Semester Credits:	16

Spring Semester

LAS		MATH 311	Linear Algebra	3
LAS		STAT 301	Statistics II	3
LAS	G		General Education Elective	3
LAS	G		General Education Elective	3
LAS			LAS Elective	3
			Semester Credits:	15

Junior Year

Fall Semester

LAS		CS 301	Data Structures & Algorithms	3
		CS 311	Machine Learning I	3
		GBTT 251	Transportation Systems	3
LAS		HUMN 467	Science Fiction	3
LAS			LAS Elective	3
			Semester Credits:	15

Spring Semester

		CS 312	Machine Learning II	3
		GBTT 252	Business of Shipping	3
		STAT 401	Time Series Analysis	3
LAS			LAS Elective	3
			Semester Credits:	12

Internship

		DS 525	Data Science Internship	6
			Total Internship Credits	6

Senior Year

Fall Semester

		CS 401	Database Systems	3
		CS 411	Deep Learning	3
		GBTT 453	Import/Export and Traffic Mgt.	3
			Free Elective	3
			MATH/STAT/CS Elective*	3
			Semester Credits:	15

Spring Semester

		CS 425	Data Science Practicum	3
		GBTT 351	International Logistics	3
			Free Elective	3
			MATH/STAT/CS Elective*	3
			Semester Credits:	12

Total Credits 120

LAS Credits 61

GenEd Credits 30

* Must be 3 credits or above and at least one of them must be 300 level or above