



AUBURN UNIVERSITY

Master of Science Program in Data Science and Engineering

Department of Mathematics and Statistics

Department of Computer Science and Software Engineering

Auburn University

Plans of Study

Data Science Option

First Year

Fall	Hours	Spring	Hours
STAT 6000 Intermediate Statistical Methods for Data Science (required)	3	STAT 6650 Statistical Learning (required)	3
STAT 6600 Probability and Statistics for Data Science (required)	3	COMP 6630 Machine Learning (required)	3
COMP 6120 Database Systems I (required)	3	COMP 6130 Data Mining (required)	3
	9		9

Second Year

Fall	Hours
STAT 6/7000 level Course 1 (elective)	3
STAT 6/7000 level Course 2 (elective)	3
A COMP or Other Elective Course at the 6/7000-Level	3
STAT 7940 Capstone Project (required)	3*
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Data Engineering Option

First Year

Fall	Hours	Spring	Hours
STAT 6000 Intermediate Statistical Methods for Data Science (required)	3	STAT 6650 Statistical Learning (required)	3
STAT 6600 Probability and Statistics for Data Science (required)	3	COMP 6630 Machine Learning (required)	3
COMP 6120 Database Systems I (required)	3	COMP 6130 Data Mining (required)	3
	9		9

Second Year

Fall	Hours
COMP 6/7000 level Course 1 (elective)	3
COMP 6/7000 level Course 2 (elective)	3
A STAT or Other Elective Course at the 6/7000-Level	3
COMP 7980 Capstone Engineering Project (required)	3^
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Note:

* MS-DSE (Data Science Option) students who plan to register for three courses in the fall semester of year 2 may choose to take STAT 7940 in the spring semester of year 2.

^ MS-DSE (Data Engineering Option) students who plan to register for three courses in the fall semester of year 2 may choose to take COMP 7980 in the spring semester of year 2.