

CURRICULUM MAP



MERRIMACK COLLEGE

Data Science, BS

YEAR ONE

FALL

Foundations of Data Science I – DSE 1001	4 credits	Major Requirement
Basic Statistics – MTH 1111	4 credits	Major Requirement/ General Education Requirement
First Year Experience – FYE 1050	1 credit	General Education Requirement
Intro to College Writing – ENG 1050	4 credits	General Education Requirement
Intro to Religion – RTS 1000	4 credits	General Education Requirement
Total Credits – 17		

SPRING

Foundations of Data Science II – DSE 1002	4 credits	Major Requirement
Problem Solving with Python – CSC 1611	4 credits	Major Requirement
Intro to Philosophy – PHL 1000 level	4 credits	General Education Requirement
General Education Elective/Minor	4 credits	General Education Requirement
Total Credits – 16		

YEAR TWO

FALL

Special Topics in DS: Applied Statistics – DSE 3800	4 credits	Major Requirement
Discrete Mathematics – MTH 1314	4 credits	Major Requirement/ General Education Requirement
General Education Elective/Minor	4 credits	General Education Requirement
General Education Elective/Minor	4 credits	General Education Requirement
Total Credits – 16		

SPRING

Creating Information Graphics – DSE 2001	4 credits	Major Requirement
Machine Learning in Data Science – DSE 2010	4 credits	Major Requirement
General Education Elective/Minor	4 credits	General Education Requirement
Open Elective	4 credits	Open Elective
Total Credits – 16		

YEAR THREE

FALL

Data Mining & Predictive Analytics I – DSE 3001	4 credits	Major Requirement
Calculus I – MTH 1217	4 credits	Major Requirement
General Education Elective/Minor	4 credits	General Education Requirement
Open Elective	4 credits	Open Elective
Total Credits – 16		

SPRING

Data Mining & Predictive Analytics II – DSE 3002	4 credits	Major Requirement
Major Elective	4 credits	Major Requirement
General Education Elective/Minor	4 credits	General Education Requirement
Open Elective	4 credits	Open Elective

Total Credits – 16

YEAR FOUR

FALL

Data Science Internship – DSE 4000	4 credits	Major Requirement
Major Elective	4 credits	Major Requirement
General Education Elective/Minor	4 credits	General Education Requirement
Open Elective	4 credits	Open Elective

Total Credits – 16

SPRING

Data Science Practicum – DSE 4900	4 credits	Major Requirement
General Education Elective/Minor	4 credits	General Education Requirement
Open Elective	4 credits	Open Elective
Open Elective	4 credits	Open Elective

Total Credits – 16

Note: This is a sample curriculum map. Students may progress toward graduation using alternative pathways.