

# CURRICULUM MAP



MERRIMACK COLLEGE

## Environmental Data Science, BA

### YEAR ONE

#### FALL

|   |           |  |
|---|-----------|--|
| Foundations of Data Science I - DSE1001   | 4 credits | Major Requirement                                |
| Introduction to Philosophy - PHL1000      | 4 credits | General Education Requirement                    |
| Introduction to College Writing - ENG1050 | 4 credits | General Education Requirement                    |
| Environmental Science Gateway - ESS1060   | 4 credits | Major Requirement, General Education Requirement |
| First Year Experience - FYE1050           | 1 credit  | General Education Requirement                    |

**Total Credits - 17**

#### SPRING

|                                   |           |  |
|-----------------------------------|-----------|--|
| Basic Statistics - MTH1111        | 4 credits | Major Requirement, General Education Requirement |
| Christianity in Context - RTS1100 | 4 credits | General Education Requirement                    |
| Foreign Language                  | 4 credits | General Education Requirement                    |
| Arts and Literature               | 4 credits | General Education Requirement                    |

**Total Credits - 16**

### YEAR TWO

#### FALL

|  |           |                               |
|--|-----------|-------------------------------|
| Problem Solving with Python - CSC1611    | 4 credits | Major Requirement             |
| Foundations of Data Science II - DSE1002 | 4 credits | Major Requirement             |
| Environmental Research Methods - ESS2100 | 4 credits | Major Requirement             |
| Cultural Diversity                       | 4 credits | General Education Requirement |

**Total Credits - 16**

#### SPRING

|   |           |                               |
|---|-----------|-------------------------------|
| Creating Information Graphics - DSE2001 | 4 credits | Major Requirement             |
| Experiential                            | 4 credits | General Education Requirement |
| Ethics                                  | 4 credits | General Education Requirement |
| Historical Studies                      | 4 credits | General Education Requirement |

**Total Credits - 16**

## YEAR THREE

### FALL

|                                |           |                               |
|--------------------------------|-----------|-------------------------------|
| Environmental Policy - ESS3550 | 4 credits | Major Requirement             |
| Writing Intensive              | 4 credits | General Education Requirement |
| Social Science                 | 4 credits | General Education Requirement |
| Open Elective/Minor            | 4 credits | Open Elective                 |

**Total Credits - 16**

### SPRING

|                               |           |  |
|-------------------------------|-----------|--|
| Ecological Modeling - BIO3076 | 4 credits | Major Requirement, General Education Requirement |
| Social Science                | 4 credits | General Education Requirement                    |
| Open Elective/Minor           | 4 credits | Open Elective                                    |
| Open Elective/Minor           | 4 credits | Open Elective                                    |

**Total Credits - 16**

## YEAR FOUR

### FALL

|                     |           |               |
|---------------------|-----------|---------------|
| Open Elective/Minor | 4 credits | Open Elective |
| Open Elective/Minor | 4 credits | Open Elective |
| Open Elective/Minor | 4 credits | Open Elective |
| Open Elective/Minor | 4 credits | Open Elective |

**Total Credits - 16**

### SPRING

|  |           |                |
|--|-----------|----------------|
| Sr Seminar/Sustainability Project I - ESS4820  | 2 credits | Major Elective |
| Sr Seminar/Sustainability Project II - ESS4920 | 2 credits | Major Elective |
| Open Elective/Minor                            | 4 credits | Open Elective  |
| Open Elective/Minor                            | 4 credits | Open Elective  |
| Open Elective/Minor                            | 4 credits | Open Elective  |

**Total Credits - 16**

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