A minimum of 32 units with an overall cumulative GPA of at least 3.0 is required. Students can complete the degree in either three or four semesters, depending on whether they take courses in the summer.

Required Core courses:
Data Science:
- INF 510 – Principles of Programming for Informatics (4 units)
- INF 549 – Introduction to Computational Thinking and Data Science (4 units)
- INF 550 – Overview of Data Informatics in Large Data Environments (4 units)

Environmental/Sustainability Studies:
- ENST 500 - Interdisciplinary Approaches to Environmental Studies (4.0 units)
- ENST 530 Environmental Risk Analysis (4.0 units)
- SSCI 581 Concepts for Spatial Thinking (4.0 units; online and on-campus options)

Electives:
Data science: Choose one 4-unit course from the following:
- INF 551 Foundations of Data Management (4 units)
- INF 552 Machine Learning for Data Informatics (4 units)
- INF 553 Foundations and Applications of Data Mining (4 units)
- INF 554 Information Visualization (4 units)
- INF 555 User Interface Design, Implementation, and Testing (4 units)
- INF 556 User Experience Design and Strategy (4 units)

Environmental Studies and other related courses: Choose one 4-unit course from the following:
- ENST 492 Directed Environmental Policy and Science Internship (2.0 or 4.0 units)
- ENST 520 Environmental Law and Policy Units: (4.0 units)
- ENST 590 Directed Research in Environmental Studies (2.0 or 4.0 units)
- ENST 540 California Coastal Zone Science and Policy (4.0 units)
- GEOL 412 Oceans & Climate (4.0 units)
- GEOL 425L: Data Analysis in the Earth and Environmental Sciences (4.0 units)
- GEOL 470 Environmental Hydrology (4.0 units)

Note: Students with computer science background will have the option of replacing INF 549, INF 510, INF 549, and INF 550 by INF 551, INF 552, and INF 553. As a result, they will be able to take more data science electives.