CITIZEN AND COMMUNITY SCIENCE (GRADUATE CERTIFICATE)

https://marine.unh.edu/program/graduate-certificate/citizen-community-science

Description

The UNH Graduate Certificate in Citizen and Community Science offers students the opportunity to develop competencies in both the theory and practice behind robust and authentic citizen and community science projects in a natural resource management setting. This certificate is appropriate for a wide range of students and professionals with interests in developing competencies related to project design and implementation, best practices for effective projects and teams, volunteer engagement, methods for data sharing, and issues of social justice in citizen science. The certificate can be pursued as a stand-alone credential or in concert with another degree at UNH. Part-time and hybrid pathways through the certificate are available.

Requirements

The Citizen and Community Science Certificate requires a minimum of 12 credits made up of one required core class, a seminar requirement, at least six credits of electives, and one required practicum.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Required Courses</td>
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<tr>
<td>GRAD 834</td>
<td>Fundamentals of Citizen and Community Science</td>
<td>3</td>
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<tr>
<td>MARI 801</td>
<td>Coastal Resource Management and Policy Seminar (to be taken twice)</td>
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<tr>
<td>MARI 901</td>
<td>Resource Management and Policy Practicum</td>
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<td>Two Electives ¹</td>
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<td>6-8</td>
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Select one natural science, social science, or engineering course from the following:

- CEE 822 Introduction to Marine Pollution and Control
- CEE 833 Public Infrastructure Asset Management
- CEE 858 Stormwater Management Designs
- ECON 908 Environmental Economics: Theory and Policy
- ECON 909 Environmental Valuation
- ESCI 871 Geodesy and Positioning for Ocean Mapping
- ME 817 Marine Robotics and Applications
- MEFB 825 Marine Ecology
- MEFB 872 Fisheries Biology Conservation and Management
- NR 843 Addressing Arctic Challenges I
- OE 854 Ocean Waves and Tides
- OE 857 Coastal Engineering and Processes
- OE 858 Design of Ocean Structures
- PHP 902 Environmental Health
- PPOL 904 Economics for Public Policy
- PPOL 908 Quantitative Methods for Policy Research
- RAM 867 Social Impact Assessment
- RECO 808 Environmental Economics
- SOC 825 Social Demography
- SOC 830 Communities and the Environment
- SOC 901 Sociological Methods I: Intermediate Social Statistics
- SOC 904 Sociological Methods IV: Qualitative and Historical Research Methods

Select one resource management course from the following:

- BIOL 950 Scientific Communication
- DPP #911 Environmental Factors in Development Practice
- GRAD 844 Fundamentals of Stakeholder and Community Engagement in Natural Resource Management

¹ See advisor about additional course options.