



Association to Preserve Cape Cod (APCC) 2016 Summer Internship Opportunities

Who we are: The Association to Preserve Cape Cod (APCC) is a 501(c)3 organization founded in 1968 to promote policies and programs that foster preservation of Cape Cod's natural resources. APCC is the most preeminent Cape-wide environmental organization with 5,000+ members from all 15 towns on the Cape. Our goals include protection of groundwater, surface water, and wetlands; preservation of open space; promotion of responsible, planned growth; and the achievement of an environmental ethic. To achieve these goals, we provide technical assistance, outreach, advocacy, science-based policies and facilitation (see <http://www.apcc.org>).

APCC is committed to helping to develop the environmental leaders of tomorrow. Our internship program is designed to provide interns with challenging environmental projects that yield meaningful results. All intern projects support our mission to protect and restore the natural environment of Cape Cod and to promote environmental stewardship.

Internship positions in 2016: This year APCC is seeking qualified and eligible applicants for up to three summer internship positions. The three positions include the Whitlock Internship, the Geist Internship and the APCC Special Projects Internship. Interns are paid salaries but are not provided with benefits. Interns will work under the direct supervision of APCC staff. Interns will work at APCC's new permanent home located at 482 Main Street (Route 6A), Dennis, MA, but projects involving fieldwork will be conducted at other locations throughout Cape Cod.

Eligible applicants: Eligible applicants include undergraduate students, graduate students, those who are planning graduate level education or have recently completed graduate-level studies, and secondary/elementary school science teachers. The Whitlock Internship in particular is intended for students who plan to pursue, are enrolled in, or have recently completed graduate-level studies. All interns must have a high degree of self-motivation and be able to work independently, stick to a tight schedule, and complete a project in a short period of time.

Intern Projects: Interns will conduct projects according to their skills, training, experience, interest and time available, as described below. The project for the Whitlock Intern is described below. The Geist Intern and Special Projects Intern may each work on more than one project depending on their skills and interests.

Whitlock Intern Project:

Map Natural Communities and Update Atlas: The graduate-level intern will map natural plant communities in the field and using aerial photographs, create GIS maps using field data, conduct field and literature research to evaluate the link between natural communities and shoreline change, and update APCC's interactive online Cape Cod Critical Habitats Atlas.

Required skills, training and experience: ability to identify native plants, use of handheld GPS and Geographic Information System (GIS) to create maps and analyze environmental data, ability to conduct field work to collect and assess environmental data, use of Excel and other software to analyze data, use of digital photography for documentation, and excellent

communication skills, especially preparation of clear written reports in MS Word and other commonly available software. The intern should be able to physically traverse rough terrain in a safe manner. Advantageous but not required: ability to identify natural communities as defined by the Massachusetts Natural Heritage and Endangered Species Program, familiarity with Cape Cod's natural resources. Relevant coursework and/or experience may include: field botany, geology, ecology, environmental studies, GIS mapping, Web design, statistics, science writing.

Projects for Geist Intern, Special Projects Intern:

Prepare Environmental Outreach Materials: The intern will help develop outreach materials for stormwater, wastewater or water management, landscaping with native plants, climate change adaptation, and/or other topics. Required skills, training and experience: excellent communication skills including verbal and written communication, development of written and Web-based outreach materials, use of social media to provide environmental outreach, ability to translate complex technical issues into simple clear messages using written and/or graphical means. Advantageous but not required: experience and/or courses in graphics software, illustration, design, communication, science writing or film-making. Relevant coursework and/or experience may include: environmental studies, landscape design using native plants, stormwater management, water and watershed protection, green infrastructure, GIS mapping, Web design, environmental outreach, conducting surveys, climate change adaptation and mitigation, data analysis, journalism, science writing, film-making.

Assist with Restoration Coordination Center: The intern will carry out field and office tasks for APCC's Restoration Coordination Center (e.g., assist with environmental restoration projects, update APCC's inventory of restoration projects, conduct field monitoring of salt marshes, fish runs and other natural environments, conduct literature research, prepare reports). Required skills, training and experience: ability to conduct field work to collect and assess environmental data, use of handheld GPS to map sites in the field, use of Excel and other software to analyze data, use of digital photography for documentation, ability to conduct literature research, and excellent communication skills, especially preparation of clear written reports in MS Word and other software. Advantageous but not required: Use of Geographic Information System (GIS) to create maps and analyze environmental data, experience in conducting restoration projects. Relevant coursework and/or experience may include: field botany, geology, ecology, ecological restoration, environmental studies, landscape design using native plants, stormwater management, water and watershed protection, green infrastructure, GIS mapping, data analysis and reporting.

Develop Climate Change Adaptation Measures: The intern will develop adaptation measures for climate change and its impacts, including sea level rise, changes in water and wetlands, and other impacts. Required skills, training and experience: ability to conduct literature research and translate science and literature research into policies and recommendations, excellent communication skills, especially preparation of clear written reports in MS Word and other software. Advantageous but not required: knowledge of climate change adaptation measures and mitigation measures, knowledge of coastal resilience measures, integrated resource management. Relevant coursework and/or experience may include: biology, geology, ecology, ecological restoration, environmental studies, stormwater management, water and watershed protection,

green infrastructure, GIS mapping, Web design, environmental outreach, climate change adaptation and mitigation, data analysis.

Analyze Salt Marsh and Herring Run Monitoring Data: The intern will analyze and interpret APCC’s monitoring data on salt marshes and/or river herring and prepare reports describing monitoring results. Required skills, training and experience: familiarity and experience in using MS Word, Excel, GIS, and other software programs to analyze data, calculate descriptive statistics, prepare plots, tables and figures, and prepare reports and other deliverables. Relevant coursework and/or experience may include: statistics, ecology, biology, water quality, ecological restoration, environmental studies, GIS mapping, environmental outreach.

Other projects to be determined.

Previous intern projects: Examples of previous internship projects include designing community visioning exercises to promote smart growth, developing a Cape-wide inventory of restoration projects, mapping natural communities and shoreline change, developing a web-based interactive Critical Habitats Atlas, identifying municipal stormwater management needs through surveys, monitoring salt marsh restoration projects, developing environmental education materials, and identifying salt marsh restoration priorities that will enable salt marsh migration to occur as sea level rises.

Equal Opportunity Employer: APCC is an Equal Opportunity Employer and does not discriminate on the basis of race, color, age, sex, religion, sexual orientation, national origin, disability or any other protected class.

Fieldwork: Applicants who are interested in conducting field projects should be able to physically traverse rough terrain. APCC will make reasonable accommodation for otherwise qualified students who have a physical handicap.

Transportation: Work will often entail travel across all of Cape Cod. Applicants must provide their own means of transportation but will be reimbursed for mileage at standard rates.

Housing: Housing is not included in any APCC internship program. APCC will assist interns in locating housing, but it is ultimately the responsibility of the intern. Cape Cod is a tourist destination and the cost of housing can be expensive.

How to apply: For further information or to submit an application, please email info@apcc.org with the header “APCC Intern application.” With your email, attach a cover letter summarizing your experience and describing the project(s) you are interested in, and attach a copy of your resume. Please do not call. Applications received before March 31, 2016 will receive preference.

