

Please note that Education Plans are usually created based on each request for proposal. The below language is comprised of resources available at the Climate School and Lamont, and can be utilized to strengthen your proposal. The below language should not be used as a substitute for a fully developed Education plan.

Education Resources at the Columbia Climate School

Columbia University is a global leader in climate and sustainability education at both the undergraduate and graduate levels. Education programs at the Columbia Climate School provide the interdisciplinary knowledge base for future climate leaders to work with businesses, communities, governments, and civil society to address the climate crisis. The Climate School Academic Affairs Office oversees academic and instructional programs, academic policies, student support services, and student life at the Columbia Climate School. Our mission is to provide and support comprehensive, inclusive, and interdisciplinary education that prepares the next generation of climate and sustainability leaders.

Degree Programs at the Climate School

The Climate School proudly offers the Master of Arts in Climate and Society, a 12-month interdisciplinary program that trains professionals and academics to understand and cope with the impacts of climate change and climate variability on society and the environment. Through classes and applied experiences, students gain knowledge in both climate and social sciences as they relate to climate.

We also offer a rich collection of sustainability and environmental education programs in partnership with schools across the university. These programs include the Undergraduate Program in Sustainable Development (Columbia College and General Studies), MS in Sustainability Management (School of Professional Studies), MS in Sustainability Science (School of Professional Studies), and MPA in Environmental Science and Policy (School of International and Public Affairs).

Student & Alumni Services

The Climate School Academic Affairs Office provides co-curricular programming to support professional development and experiential learning. Though many of these services are exclusively offered to MA in Climate + Society and partner program students and alumni, some are also available to the wider Columbia University community.

Services offered to students and alumni in the MA Program and partner programs include: (1) **Departmental Research Assistantships:** The MA in Climate and Society program funds a number of departmental research assistantships (DRAs) that are available exclusively to Climate and Society students and involve work with members of Columbia's climate research community; (2) **Sustainability Skill Seminars:** Each year, the Climate School offers a series of non-credit skill seminars for our students and alumni on practical skills that are specific to sustainability and environmental careers; (3) **Career Placement and Job Search Tools:** The Climate School offers specialized job placement for the MA in Climate and Society students, and also hosts a job list open to all students, which contains employment opportunities in the fields of climate and sustainability. Career planning and coaching workshops are also available to students and alumni during the academic year; (4) **Climate and Sustainability Alumni Network:** Through professional networking opportunities and social events, alumni from across Columbia's climate and sustainability programs can better connect and network; and (5) **Alumni Mentoring Program:** The Mentoring Program connects current students with alumni, who guide students as they pursue climate and environmental sustainability careers.

Services open to the full Columbia community include: (1) **All-Ivy Career Fair:** The annual All Ivy Environmental and Sustainable Development Career Fair is led by Columbia in partnership with other Ivy League schools. The fair attracts top organizations from the private, non-profit, and public sectors to the Columbia campus and is open to undergraduate and graduate students, as well as alumni, from all Ivy schools; (2) **Travel Grants:** The Climate School allocates funding to support travel by students

matriculated in Columbia University degree programs who are engaged in research projects dealing with issues of environmental and sustainable development; (3) **Course Support**: Fieldwork is an invaluable experience for students studying earth sciences and sustainable development. The Climate School awards course support grants for new and innovative field study opportunities that support and enhance classroom learning; (4) **Internships and Research Assistantships**: The Climate School offers paid internships for undergraduate, master's, and PhD students in diverse administration, communications and research roles with climate and sustainability-related projects; and (5) **Events and Programming**: The Climate School offers a diverse range of events and programming open to students across the university.

Faculty Services

The Office of Faculty Affairs oversees all areas of faculty support, including the recruitment, appointment, and onboarding processes for faculty, and the management of annual faculty assessment and review processes for full time faculty. In addition, the Office of Faculty Affairs advances the school's mission through support of standing committees and formation and revision of faculty governance policies and guidelines.

Additional Learning Programs

The Climate School's K12 and Continuing Education Initiatives can foster, facilitate, and grow greater engagement with broader audiences looking to deepen their knowledge in climate and sustainability. Current activities in this area amplify mutual engagement between diverse audiences and motivate action based on sound science, broad knowledge, and diverse perspectives. The non-degree education programs for professional and lifelong learners, pre-college students, undergraduate researchers, and K12 teachers offer the same level of rigor and quality as our degree programs. Taught by world-renowned Columbia faculty, researchers, practitioners, and content experts, these learning opportunities deliver high-caliber in-person and online programs on a flexible schedule to students, educators, and professionals around the world. The Columbia Climate School fourth mission is to be a preeminent institution for climate information and training programs beyond the university, and the K12 and Continuing Education Programs are designed and implemented to significantly enhance the identity, visibility, and reach of the Columbia Climate School's scholarship.

Education and Outreach

The Columbia Climate School has the intellectual and administrative capacity to design personally relevant, interdisciplinary, and data-driven workshops, lectures, and curriculum for K12 students, educators, schools, and the general public. At the heart of this commitment is the belief that higher education institutions such as Columbia University should play a role in strengthening authentic science education for learners of all ages. Leveraging our own strengths in research, instrumentation, real-time data, and experiential education, the free and accessible education and outreach are scientifically engaging and build new understanding of sustainable development on both personal and global levels. These offerings include Climate LIVE K12 online video series that features experts from across Columbia Climate School presenting relevant climate and sustainability content for K12 students, undergraduates, educators, and a generalist audience, Educator Trainings that introduce educators to climate content that can strengthen climate knowledge in K12 classrooms, and public events so local community members can learn directly about Climate School transdisciplinary work and network with like-minded individuals.

Pre-College Programs

The Columbia Climate School's Pre-College programs amplify students' knowledge about climate and sustainability in an applied context and motivates action based on sound science, broad knowledge, and diverse perspectives. Under this category, we will design program offerings specifically for high school students that will guide their educational and professional paths. Our Pre-College offerings include the Pre-College Academic Year Online Workshops and Summer Pre-College Programs: The Columbia Climate School in the Green Mountains and the Columbia Climate Corps Programs. The Columbia Climate School in the Green Mountains is a 2-week campus-based program for high school students in

Castleton, Vermont to mobilize action, drive impact, and affect change in response to our warming planet. The Columbia Climate Corps are small group, climate and sustainability focused traveling programs designed for motivated high school students that are driven to learn about specific climate change foci through place-based field experiences. These summer programs combine intentional travel with in-depth educational opportunities where students travel across the U.S. and abroad to study location specific themes related to climate.

Columbia Climate School Research Experiences for Undergraduates (REU) and Research Experiences for Teachers (RET)- Beyond Basic Science: Connecting Climate to Communities.

The Columbia Climate School hosts summer research programs for undergrads and in-service science teachers. The programs have been shown to be effective in recruiting and retaining students in STEM, and in Earth, Atmosphere, Ocean and Ecological sciences in particular. The Columbia Climate School's REU/RET program sponsored by the National Science Foundation is a research experience that embeds undergraduate students and K12 educators in the transdisciplinary science being done at the Columbia Climate School. Our overarching goals include: 1) enhancing participant interest and experience in participatory research in climate science, 2) building confidence and competence in research, 3) gaining fluency and insights into scientific processes and practices, 4) connecting participants to layered mentoring structures, and 5) providing learners with opportunities for engagement with stakeholders on real-world challenges.

Professional Learning Offerings

Professional learning programs convey substantial economic value and allows the Columbia Climate School to share our work and expertise with working professionals so that they have the opportunity to upskill and/or reskill for career purposes. The Professional Learning program is meant for adult learners who want to develop new skills and explore new topics to further job-related interests, without the long-term commitment of a degree program. These offerings help participants develop an understanding of climate and sustainability challenges through the expertise of Climate School researchers and practitioners.