

## Additional Information

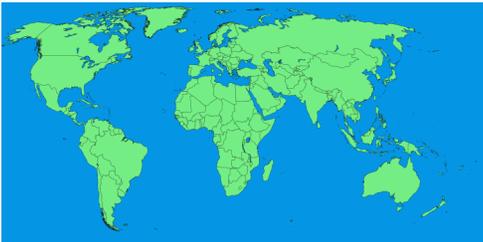
### What is SUNY ESF?

Founded in 1911, the State University of New York College of Environmental Science and Forestry (ESF) is the one of the top ranked environmental colleges in the country. ESF is a doctoral degree-granting institution, where students pursue studies in diverse fields of environmental science, engineering, design and management.

In addition to our 12 acre Syracuse campus, ESF operates a network of field stations, experimental forests and study sites occupying 25,000 acres across New York State, including the Thousand Islands and the Adirondacks. ESF also partners with institutes around the world to provide a global perspective on environmental issues. It has a unique relationship with its neighbor, Syracuse University, where students can take classes, use the library, join clubs and eat in their dining halls.

ESF inspires tomorrow's environmental leaders, creates knowledge and options for innovative solutions, and seeks societal consensus on the great environmental challenges of our times.

**Find out from your high school guidance office if your school offers our program.**



## Student Benefits

- Experience college-level work while still in high school.
- Explore diverse interests and career opportunities in STEM fields as well as management, policy, design and law.
- Develop a relationship with an institution of higher education.
- Online access to ESF Library resources.
- On campus research opportunities.
- Potentially save money and cut the time needed to complete a college degree.



S U N Y - E S F

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DEVELOPING STUDENTS AND  
CITIZENS

# SUNY ESF ESF in the High School



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[www.esf.edu/  
oelo](http://www.esf.edu/oelo)

# ESF in the High School Developing Students and Citizens

## Environmental problems make headlines every day.



Understanding the complex scientific and social issues behind these headlines, coupled with the ability to critically solve problems, is a

requirement in the work place today. This need not only applies to those individuals in the STEM fields but to everyone across the education spectrum. Everyday people are being called upon to help shape their environmental future. The ESF in the High School program can help you prepare to be a leader in the stewardship of both our natural and designed environments and be the effective citizen required for the 21st century.



ESF in the High School classes have the opportunity for field trips to ESF's main campus in Syracuse, NY and to our regional campuses in the Adirondacks. In-school presentations and demonstrations by ESF faculty, staff and students

are also available. Students participating in Global Environment, Economics and Renewable Energy are eligible to participate in the Environmental Research Summit, held each Spring at ESF. The at the Summit students can present their individual or group research in an oral or poster presentation.

## Courses Offered, some examples

**Global Environment 3 credits (EFB120):** Students explore the linkages between local, rural, urban and suburban communities and the larger global ecosystem. Key environmental science themes and critical thinking skills form the basis for instructional activities.

**Writing and the Environment 3 credits (EWP90):** An introduction to writing and reading on the college level, using materials with an environment focus.

**Ecology of the Economic Process 3 credits (ESF122):** The ecology of the economic process-an interdisciplinary biophysical world approach to studying economies as part of the larger world.

**Introduction to Renewable Energy 3 credits (FCH296):** Considers the question of why we need to start thinking of alternative forms of energy to supply our increasing needs as a modern society. Includes the science behind several technologies.

**General Biology 8 credits (EF102, 103, 104, 105):** Lecture and lab. Organismal biology and ecology and cell biology and genetics.

**Paper & Biological Systems Engineering 3 credits (PSE296):** Chemistry curricula from a biological/environmental perspective. Utilizes natural systems to solve problems and create useful products.

**Research Problems 1 credit (EFB498):** Students can conduct an independent research project, write a report, and present the information via poster, presentation or other means.

## Prerequisites

**Global Environment (EFB120):** students must have successfully completed NYS Regents Earth Science, NYS Regents Living Environment, and have successfully completed or are enrolled in NYS Regents Chemistry.

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**Writing and Environment (EWP190):** students must have passed the NYS Regents English 11 with a minimum grade of "80".

**Biology (EFB101-104):** students must have successfully completed NYS Regents Chemistry and NYS Regents Living Environment.

**Renewable Energy (FCH296):** students are recommended to have successfully completed coursework in Trigonometry/Pre-Calculus and Chemistry.

## Student Cost

Fees for ESFHS courses are greatly reduced from the general tuition charged to matriculated students due to grants and endowments. For more specific information visit: [www.esf.edu/oelo/esfhs/default.htm](http://www.esf.edu/oelo/esfhs/default.htm)



## Credits and Grades

Credits and grades earned are recorded as part of your permanent record. Official transcripts are available through the ESF Registrar's Office. To request a transcript visit: [www.esf.edu/registrar/transcripts.htm](http://www.esf.edu/registrar/transcripts.htm)



## ESF College Acceptance

Freshman admission is highly selective, with the College normally admitting approximately 45% of high school seniors who apply. The College's Admission Committee views high grades earned in an ESF in the High School course as an indication of student's ability to succeed in ESF's rigorous academic programs.

To schedule a campus tour with the Admission's office visit: [www.esf.edu/admissions/](http://www.esf.edu/admissions/)



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