

Class of 2023

ESF STUDENT OUTCOMES

**Job Placement Success and
Postgraduate Education**



Improving Our World

Table of Contents

Chemical Engineering Bioprocess Engineering / Chemical Engineering / Paper Engineering / Renewable Materials Science	4
Chemistry Biochemistry / Chemistry.....	6
Environmental Biology Aquatics and Fisheries Science / Biotechnology / Conservation Biology / Environmental Biology / Forest Health / Wildlife Science	8
Environmental Resources Engineering	10
Environmental Science Environmental Health / Environmental Science.....	12
Environmental Studies Environmental Education and Interpretation / Environmental Studies	14
Landscape Architecture	16
Ranger School Environmental and Natural Resources Conservation / Forest Technology / Land Surveying Technology.....	18
Sustainable Resources Management Construction Management / Forest Ecosystem Management / Forest Resources Management / Natural Resources Management / Sustainable Energy Management	20
Advice from ESF Grads	22

ESF GRADUATES GET OPPORTUNITIES

Experience and Preparation that Make a Difference

ESF graduates are well-prepared for a meaningful career or to pursue a higher degree. Our graduates are in demand — by businesses; not-for-profits; local, state and federal agencies; and some of the best post-baccalaureate programs in the world.

While students build their practical skills through classes, labs, and field work, our Office of Career Services can prepare them for life after college through:

Career and internship fairs, where we draw nearly 100 companies and organizations recruiting ESF students for internships, and job openings for students of all majors and departments.

Skill-building, such as resume writing, interview prep, and networking so students are prepared and confident upon entering their job search.

ESF's career development program, through which we offer fellowships, internships, and scholarships to help promote the career and professional development of qualifying students who are committed to solving environmental challenges.

Handshake, an app exclusively designed for first-time job seekers that helps ESF students make professional connections and find jobs and internships.

Each year, the ESF Office of Career Services collects and compiles information from the graduating class through a *First Destination Survey*. This publication highlights survey results and the impressive outcomes for the Class of 2023.

90%

are working or attending
graduate school

86%

identified being in a position
related to their ESF major

98%

found a position within
6 months of graduation



I work in sustainability with people who truly care about the environment. My work is in product design using molded fiber to replace single use plastics. The future of the paper industry is in giving functionality to agricultural wastes and I am so excited to be a part of it.

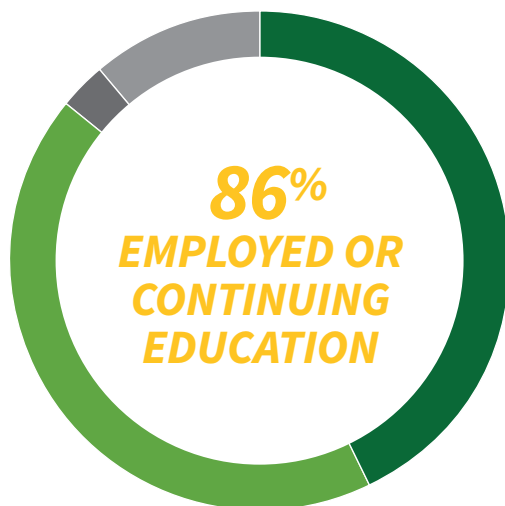
EMILY PARSONS '20
PAPER ENGINEERING
SOLENIS / LOS ANGELES, CA

CHEMICAL ENGINEERING

The Department of Chemical Engineering creates solutions that leave the world in a better place, with an emphasis on sustainable processes, materials, and energy for a cleaner earth. Our programs focus on developing high-tech and planet-friendly approaches to bioprocesses, biopharmaceuticals, and materials for the future bioresource economy and new functional biomaterials.

DEGREES IN

BIOPROCESS ENGINEERING / CHEMICAL ENGINEERING / PAPER ENGINEERING / RENEWABLE MATERIALS SCIENCE



86%
**EMPLOYED OR
CONTINUING
EDUCATION**

43% Employed
43% Continuing Education
3% Seeking Opportunities
11% Not Seeking Opportunities

FEATURED EMPLOYERS

AFRY
AMETEK Hughes-Treitlee
Constellation Energy
Greif
International Paper
Pixelle Specialty Solutions
Ramboll
Sylvamo
WestRock

FEATURED GRADUATE SCHOOLS

Hochschule München University of Applied Sciences
Ohio State University
Rensselaer Polytechnic Institute
SUNY ESF
University of Pennsylvania
University of Southern California
Waseda University

CAREERS

Application Engineer / Chemical Engineer / Environmental Engineer / Process Engineer / Product Development Specialist / Production Engineer Scientist / Technical Sales Engineer

INTERNSHIP AND RESEARCH EXPERIENCES

Aldevron / Chemtrade Logistics / Felix Schoeller / Greif / Morcon Tissue /
SUNY ESF Faculty Research / The Biobattery Program / Twin Rivers Paper Company



The variety of research and lab experiences available at ESF helped me become the scientist I am today. **I learned how to conduct research and answer scientific questions.** It's the foundation I continue to use in my daily work. I am now a research scientist developing biofuel from algae. It is work I love and it is creating a better future.

ERIC STEVENS '15
CHEMISTRY
VIRIDOS / SAN DIEGO, CA

CHEMISTRY

Chemistry students mix their passion for improving the world with solving environmental challenges. This includes identifying innovative ways to generate energy; discovering new natural and synthetic materials; better utilizing our natural resources; finding new ways to make and deliver medicines; and understanding natural processes and the impacts of human activities on our environment.

DEGREES IN BIOCHEMISTRY / CHEMISTRY



33% Employed
67% Continuing Education

FEATURED EMPLOYERS

Magnanini Winery
Regeneron Pharmaceuticals

FEATURED GRADUATE SCHOOLS

Cornell University
Scripps Institution of Oceanography at UC San Diego

SUNY ESF

SUNY University at Albany
University of Iowa
University of Pennsylvania

CAREERS

Analytical Chemist / Biotech Production Specialist / Chemical Lab Assistant / Chemist / Microbiologist
Quality Control Chemist / R&D Scientist / Research Scientist

INTERNSHIP AND RESEARCH EXPERIENCES

Air Force Technical Applications Center / Australian Antarctic Division, ACE-CRC / Baystate Health, BSEP Summer Research Intern / Sacheli Farm Foods / Lake Immungenics / Magnanini Winery and Distillery / New York Water Environment Association / Office of Entrepreneurship and Innovation Partnerships – Binghamton University / Raytheon / REU: Syracuse University / Skaneateles Lake Association / SUNY ESF Faculty Research / SUNY Research Foundation / University of Rhode Island / Upstate Freshwater Institute



Through an internship with the Theodore Roosevelt National Park in North Dakota, I had a great introduction to the National Park Service — fish and wildlife, a variety of parks, and interpretation — creating programming and explaining parks to park visitors. **My career is to teach what I love** — I have the freedom to make the program and engage with the public.

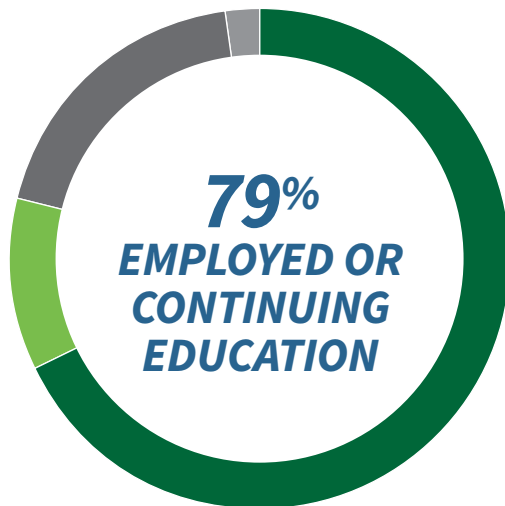
KILEY VOSS '19
CONSERVATION BIOLOGY
NATIONAL PARK SERVICE / CHINOOK, MT

ENVIRONMENTAL BIOLOGY

ESF's future biologists learn about natural ecosystems and how to solve environmental problems effectively. Our rich variety of academic programs introduce concepts of biodiversity conservation, physiology, and ecology of plants, animals, and microorganisms. Course and field work emphasize the interactions and changes in biological systems in the context of the broad fields of aquatic and wetland sciences; biotechnology and chemical ecology; conservation biology; environmental interpretation; fisheries and wildlife biology; forest health; and global, landscape, and urban ecology.

DEGREES IN

**AQUATICS AND FISHERIES SCIENCE / BIOTECHNOLOGY /
CONSERVATION BIOLOGY / ENVIRONMENTAL BIOLOGY /
FOREST HEALTH / WILDLIFE SCIENCE**



79%
**EMPLOYED OR
CONTINUING
EDUCATION**

68% Employed
11% Continuing Education
19% Seeking Opportunities
2% Not Seeking Opportunities

FEATURED EMPLOYERS

Adirondack Trail Improvement Society Inc.
Environmental Design & Research, Landscape
Laboratory Alliance
NYS Department of Environmental Conservation
NYS Office of Parks, Recreation and Historic Preservation
SUNY Research Foundation
Tanglewood Nature Center and Museum
The Institute for Bird Populations
The Wildcat Sanctuary
USDA Forest Service

FEATURED GRADUATE SCHOOLS

Cornell University
Empire State University
Stony Brook University
SUNY ESF
SUNY Upstate Medical University
Syracuse University
University of Wisconsin

CAREERS

Botany Technician / Ecologist / Environmental Educator / Environmental Scientist / Fisheries Biologist / Forest Technician / Park Ranger / Soil Conservationist / Veterinary Assistant / Wildlife Research Technician / Zookeeper

INTERNSHIP AND RESEARCH EXPERIENCES

AmeriCorps / Brookhaven National Laboratory / Buffalo Zoo / Cambrex Pharmaceuticals / Central New York Land Trust / National Oceanic and Atmospheric Administration (NOAA) / Norrie Point Environmental Center / NY National Heritage Program / Museum of Science and Technology (MOST) / Onondaga Environmental Institute / Pocono Wildlife Rehabilitation & Education Center / Queens Botanical Garden / Rosamond Gifford Zoo / The Audubon Society / Upstate Freshwater Institute / US National Park Service / Utica Zoo



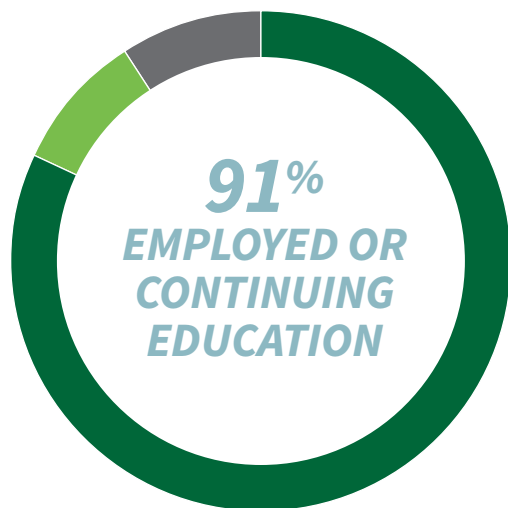
I love the new challenges of every project. I get to combine my ESF major and minor in my current work conducting recreation facility assessments. My current project is focused on dam removal and fish passage. It is a great way to look at the ecological side of engineering.

MOLLY MULHARE '21
ENVIRONMENTAL RESOURCES ENGINEERING
GOMEZ & SULLIVAN ENGINEERS / UTICA, NY

ENVIRONMENTAL RESOURCES ENGINEERING

Our Environmental Resources Engineering students are working to solve complex environmental water, air, land, and energy resource management problems on a large scale. They learn through innovative classes, labs, and field exercises in foundational and advanced engineering topics, where our flexible curriculum allows students to focus on traditional or novel engineering practices.

DEGREES IN ENVIRONMENTAL RESOURCES ENGINEERING



82% Employed
9% Continuing Education
9% Seeking Opportunities

FEATURED EMPLOYERS

Arcadis
Camden Group
Cayuga County Health Department
Clinton's Ditch Cooperative Co.
Gomez and Sullivan Engineers
LaBella Associates
Metropolitan Transportation Authority (MTA)
M.J. Engineering and Land Surveying
NYS Department of Environmental Conservation
NYS Department of Transportation
Ramboll
US Air Force
US Army Corps of Engineers

FEATURED GRADUATE SCHOOLS

Iceland School of Energy
SUNY ESF

CAREERS

Civil Engineer / Design Engineer / Environmental Engineer / Environmental Specialist / Project Engineer / Solid Waste Engineer / Water Resources/Wastewater Engineer / Watershed Planner

INTERNSHIP AND RESEARCH EXPERIENCES

Anchor QEA / Camden Group / H2M Architects + Engineers / NYS Dept. of Transportation / NYS Environmental Facilities Corporation / OCWA – Central New York's Water Authority / Onondaga County Resource Recovery Agency / NSF REU / SUNY ESF Faculty Research / US Dept. of Defense / US Environmental Protection Agency (EPA)



As I was pursuing my degree in Environmental Science, I took an elective in Construction Management. It was pivotal for me — through it **I realized I wanted a career in building energy efficiency.**

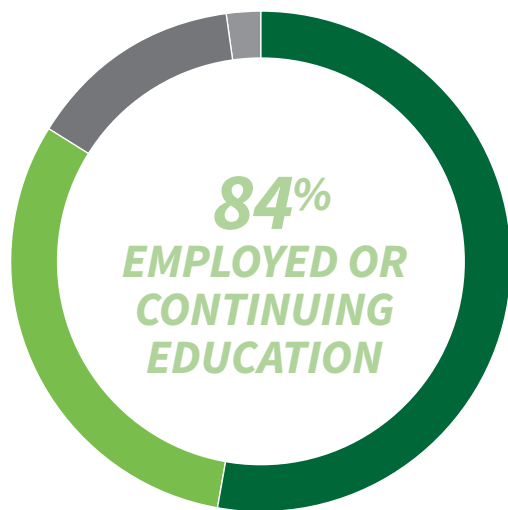
Outside of class, my internships were very helpful — I enjoyed the research and working in a lab, but those experiences taught me that my passion really lies in renewable energy.

ALANA LINDSAY '17
ENVIRONMENTAL SCIENCE
XPANSIV / SAN FRANCISCO, CA

ENVIRONMENTAL SCIENCE

Environmental Science is an interdisciplinary degree program that takes full advantage of its location within an environmentally-focused college. The program offers students a tremendous variety of courses and faculty members to choose from, excellent facilities for research and field study, and a level of faculty expertise that is rarely found at other colleges.

DEGREES IN ENVIRONMENTAL HEALTH / ENVIRONMENTAL SCIENCE



53% Employed
31% Continuing Education
14% Seeking Opportunities
2% Not Seeking Opportunities

FEATURED EMPLOYERS

Amazon
C&S Companies
Colliers Engineering & Design
EMSL Analytical
MaGrann Associates
Momentum Solar
Onondaga County Soil & Water Conservation District
Stormwater Compliance Solutions
SUNY ESF
SUNY Research Foundation
The Intelligence Group

FEATURED GRADUATE SCHOOLS

Georgia Institute of Technology
SUNY Downstate Medical University
SUNY ESF
SUNY Upstate Medical University
Syracuse University

CAREERS

Air Quality Monitoring Field Technician / Environmental Analyst / Environmental Health Specialist / Environmental Scientist / Field Hydrogeologist / Fish and Wildlife Technician / Microbiologist / Park Ranger / Plant Healthcare Technician / Urban Natural Resource Specialist

INTERNSHIP AND RESEARCH EXPERIENCES

Brady Farm / Brookhaven National Laboratory / Finger Lakes Institute / Museum of Science and Technology (MOST) / NYSERDA / NYS Wastewater Surveillance Network / Onondaga County Resource Recovery Agency / OCWA – Central New York's Water Authority / Onondaga Environmental Institute / Owasco Lake Watershed Management Council / NSF REU: Louisiana Universities Marine Consortium / Seatuck Environmental Association / Skaneateles Lake Association / SUNY ESF Faculty Research / US Environmental Protection Agency (EPA) / USGS



Even though ESF is a very focused school, it provides so many different opportunities for students to explore.

Through connections I made with faculty, and through internships, and research, I found the intersection between technology and the environment, specifically environmental communication. I chose to pursue a minor in computer information technology which was a wonderful complement to my science coursework and help lay the foundation for my graduate studies.

EMMA VIRNELLI '24

ENVIRONMENTAL STUDIES: ENVIRONMENT, COMMUNICATION, AND SOCIETY

PURSUIING MASTER'S DEGREE IN DATA ANALYTICS AT TUFTS UNIVERSITY / MEDFORD, MA

ENVIRONMENTAL STUDIES

Our Environmental Studies programs are at the intersection of social science and humanities, with the natural sciences to pursue meaning and justice. Through the knowledge and experience students gain at ESF, they can contribute to building an ecologically sustainable and socially just world.

DEGREES IN

ENVIRONMENTAL EDUCATION AND INTERPRETATION / ENVIRONMENTAL STUDIES

OPTION AREAS:

ENVIRONMENT, COMMUNICATION AND SOCIETY

ENVIRONMENTAL POLICY, PLANNING AND LAW

NATURAL SYSTEMS APPLICATIONS



73% Employed
17% Continuing Education
10% Seeking Opportunities

FEATURED EMPLOYERS

California Sea Grant
Center for Environmental Education and Discovery
Housatonic Valley Association
NJ Department of Environmental Protection
NYS Center for Sustainable Materials Management
NYSERDA
Paradigm Environmental
Syracuse University
US Fish and Wildlife Service
Wildlife Conservation Society

FEATURED GRADUATE SCHOOLS

Duquesne University
New York University
SUNY ESF
Syracuse University
Vermont Law and Graduate School

CAREERS

Climate Justice Organizer / Compliance Specialist / Education Specialist / Legal Support Assistant / Park Ranger / Sustainability and Communications Associate / Sustainability Planner / Watershed Coordinator

INTERNSHIP AND RESEARCH EXPERIENCES

Adirondack Watershed Institute / Appalachian Mountain Club / Atlantic States Legal Foundation / Brady Farm / Brooklyn Urban Ecology and Environment at Brooklyn College / Central Park Conservancy / Dabdoub Law Firm / Indian River Lakes Conservancy / National Recycling Coalition / NYPIRG / Onondaga County Soil & Water Conservation District / Southwest Conservation Corps / Suffolk County Legislature / SUNY ESF Faculty Research / Tesla / The Wildlands Conservancy / Upstate Freshwater Institute / US Environmental Protection Agency (EPA)



While at ESF, I was captain of the cross country team. That experience continues to serve me well — **I learned leadership skills and how to assert myself and manage work-life balance.**

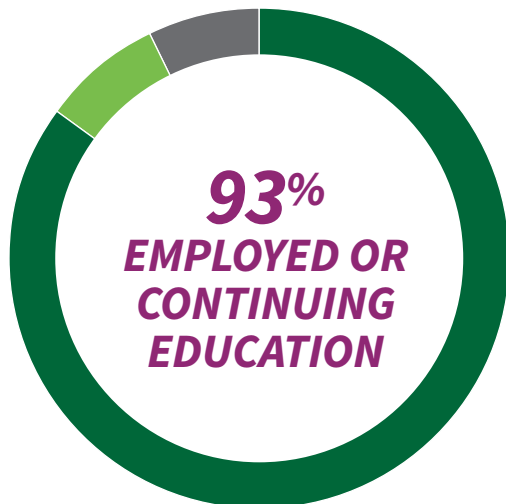
I now work for a company that makes a visible difference by restoring urban ecologies, wetlands, streetscapes, and prairies. We focus on both the human and natural environments.

ETHAN APPLEREN '20
LANDSCAPE ARCHITECTURE
HEY AND ASSOCIATES / CHICAGO, IL

LANDSCAPE ARCHITECTURE

Our Landscape Architecture program teaches students how to transform sites into welcoming, productive, and healthy environments through better design that is informed by both natural and social science. Students choose among areas of study that encourage in-depth exploration such as ecological design, cultural landscape studies, or community planning and engagement. Students also benefit from our international connections — many BLA student study abroad for a semester, providing an unmatched learning experience.

DEGREES IN LANDSCAPE ARCHITECTURE



85% Employed
8% Continuing Education
7% Seeking Opportunities

FEATURED EMPLOYERS

Bayer Landscape Architecture
Ironwood Design Group
LaBella Associates
Lowe's
NYC Department of Parks and Recreation
Studio 2112 Landscape Architecture
Terry Horst LA
The LA Group
VanScape Design
Verdant Landscape Architecture

FEATURED GRADUATE SCHOOL

SUNY ESF

CAREERS

Assistant Planner / Design Associate / Environmental Technician / GIS Analyst / Land Planner / Landscape Architect / Landscape Designer / Landscape Ecologist / Project Designer / Urban Designer

INTERNSHIP AND RESEARCH EXPERIENCES

Alta Planning & Design / Bayard Cutting Arboretum / Berkshire Design Group / Brady Farm / Brian J. Mahoney Landscape Architecture / Green Effects Landscaping / Kelco Construction / Lansing Engineering / Marshall Paetzel Landscape Architecture / Nelson, Pope, and Voorhis / Ruppert Landscape / Smith Land Surveying / Stone Quarry Hill Art Park / SUNY ESF Center for Cultural Landscape Preservation / SUNY ESF Faculty Research / The LA Group



My love of the outdoors is part of what drew me to the ESF Ranger School, where we were always putting our skills to the test. In my current work, I'm in the woods about 80% of the time. I still love it. On ESF's main campus, building my skills in GIS and Excel proved to have great benefit as I pursued job opportunities and really gave me a jump start in my search. **ESF provided me with tremendous networking capabilities.** In addition, I have found **the ESF name has tremendous value in the profession.**

CULLEN UTERMARK '16, '18

**AAS FOREST TECHNOLOGY / FOREST RESOURCES MANAGEMENT
WEYERHAEUSER / BINGHAM, ME**

RANGER SCHOOL

While many Ranger School graduates move directly into outdoor careers in the areas of conservation, forestry and surveying, some use their A.A.S. as a hands-on, experience-based step toward a Bachelor of Science degree, earned at ESF's Syracuse campus.

ASSOCIATE DEGREES IN ENVIRONMENTAL AND NATURAL RESOURCES CONSERVATION / FOREST TECHNOLOGY / LAND SURVEYING TECHNOLOGY

CAREERS

Surveyor
Forest Technician
Tree Worker
Watershed Steward

FEATURED EMPLOYERS

Bartlett Tree Care
Davey Tree Experts
Grayback Forestry
NYS Department of Environmental Conservation
US Army Corp of Engineers
US Forest Service

STUDENT TESTIMONIAL

*“At the Ranger School, more than anything, you get close to the people — your peers, faculty, the maintenance and dining staff — it’s a community. I have always loved the outdoors, but before I came to the Ranger School, I had no technical skills. Now I understand and communicate tree physiology, scientific names of trees, root structure, insects, and disease. **I speak confidently with clients, peers, and leaders within the industry.**”*

SHAYNE MENSING '21
AAS FOREST TECHNOLOGY
DAVEY TREE / ALBANY, NY





ESF coursework gave me a great base of knowledge, even in the courses I wasn't sure would match my interests. It's important to take all classes seriously — even the courses that may seem less related to a career. Those courses can play a big part in where you end up. Build relationships and network — it will open doors immediately upon graduation and into the future.

GEORGE PLARR '17

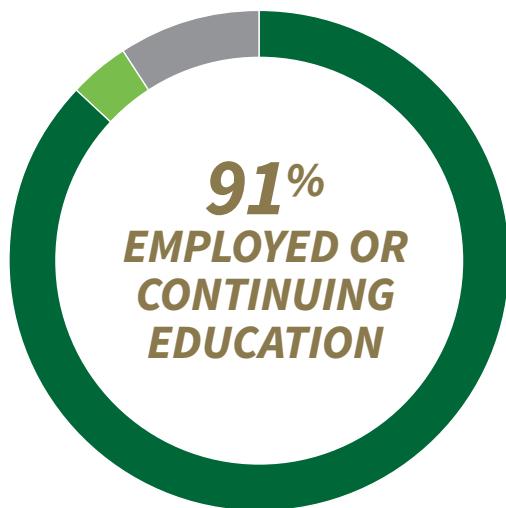
**SUSTAINABLE RESOURCES MANAGEMENT / NATURAL RESOURCES MANAGEMENT
DAVEY TREE / LANCASTER, NY**

SUSTAINABLE RESOURCES MANAGEMENT

Students advance understanding of current environmental issues through cutting-edge research, education, and field work, with a special focus on sustainably managing renewable, natural and constructed resources, including energy, forests, recreation, soils, water, and building materials, to provide short- and long-term benefits with and for people.

DEGREES IN

CONSTRUCTION MANAGEMENT / FOREST ECOSYSTEM MANAGEMENT / FOREST ECOSYSTEM SCIENCE / NATURAL RESOURCES MANAGEMENT / SUSTAINABLE ENERGY MANAGEMENT



87% Employed
4% Continuing Education
9% Seeking Opportunities

FEATURED EMPLOYERS

Apex Energy Technologies
Bartlett Tree Experts
C&S Companies
Forecon
Hull Forest Products
NYS Department of Environmental Conservation
NYS Office of Parks, Recreation and Historic Preservation
Onondaga Earth Corps
SunLogic Power
The Whiting-Turner Contracting Company
US Bureau of Land Management
US National Park Service
USDA Forest Service
Vanni Construction
Western EcoSystems Technology (WEST)
Wolcott Contracting and Consulting

FEATURED GRADUATE SCHOOLS

SUNY ESF

University of Maine
University of Maryland

CAREERS

Arborist / Conservation Technician / Construction Manager / Field Engineer / Forest Ranger / Forester / Land Management Restoration Technician / Land Surveyor / Project Engineer / Soil Conservationist

INTERNSHIP AND RESEARCH EXPERIENCES

C&S Companies / GE / GreenSpark Solar / Ironwood Heavy Highway / LandVest / NY Power Authority / NYSERDA / O'Connell Electric Company / Ramboll / Sano Rubin Construction Services / SUNY ESF American Chestnut Research and Restoration Project / SUNY ESF Faculty Research / USDA Forest Service / USDA Natural Resources Conservation Service / Woodward Environmental

ADVICE FROM ESF GRADS

Our featured alumni have some insider tips for new students.

Take chances. Ask questions of your professors and peers. Be ready to take on new challenges.

/ Alia Abuqube /



Get out in the field. Explore your major — each major has many options. Interact with professionals. Do your research — what are professionals in any field talking about? Stay current.

/ Ethan Applegren /

I tailored my ESF coursework to the career path I wanted. Don't be afraid to pay your dues. Every opportunity may not be perfect, but every opportunity can build skills.

/ Josh Balisteri /

Network! Use your friends and network for advice on possible careers and settings.

/ Cullen Utermark /

At ESF, you'll find your place. Try out a job through an internship — even if it's not the path you want, it will open doors.

/ Kiley Voss /

There are infinite possibilities at ESF — explore them. Any major is more than its name. Remain grounded in your passions.

/ Molly Mulhare /

Utilize all the resources available to you — friends, family, anyone on the ESF campus, and ESF alumni. Lean on their support.

/ Riana Erickson /

Gain as much experience as you can in different subject areas. You never know where you could end up.

/ Emily Purce /



Experiment academically. Expose yourself to something different and unexpected — you never know where it will take you.

/ Jet Lewis /

Be open to career options — don't get hung up on a particular job title or company. There are so many opportunities out there. Over the past few years, remote work has opened up many opportunities that at one time may have been more challenging to access.

/ Alana Lindsay /

Don't be afraid. Explore your unlimited potential — be open to new academic and personal experiences. Working in an unexpected field may position you for your dream job.

/ Sofia Abuqube /

Over time, start to develop an understanding of where you want to be headed. Your passion will drive you — tell people about it.

/ Emily Parsons /

Picture what you want to do and work backwards. What do you need to get there? Think about laying out a roadmap to your desired goal — classes, research, graduate school, etc.

/ Eric Stevens /

Go to ESF with an open mind. You'll meet alumni and faculty who will present you with options you may never have considered. Absorb all the knowledge from your studies and labs — go out and have fun with what you learned. Get it done but have fun.

/ Shayne Mensing /



Learn as much as you can. You will likely not have this quality of education again. Keep the passion — you'll have discouraging moments, but don't give up.

/ Jessica Druze /



State University of New York College of
Environmental Science and Forestry

Office of Undergraduate Admissions
Gateway Center
1 Forestry Drive
Syracuse, N.Y. 13210



WANT TO LEARN MORE?

Visit.
esf.edu/visit

Apply.
esf.edu/apply

Contact us.
(315) 470-6600 / esfinfo@esf.edu