# Table of contents

Prof. Jessica Miles, Departmental Chair ................................................................. 2
Environmental Science Program Mission and Purpose ........................................ 3
Proposed Course Wheel for Environmental Science Track ............................. 4
Course Descriptions .............................................................................................. 5
Tips on Résumé Writing ......................................................................................... 8
Palm Beach State College Career Centers ......................................................... 13
Tips on Writing a Cover Letter ............................................................................ 14
Helpful Interview Tips ......................................................................................... 15
Groom & Dress for Success .................................................................................. 16
Typical Interview Questions ................................................................................ 17
Some Questions You May Ask .............................................................................. 18
Don’t Ask These Questions .................................................................................. 18
Oral Communication Skills ............................................................................... 19
Interview Etiquette and Attitude ......................................................................... 20
Most Desirable Qualities of Job Seekers ............................................................ 21
Keep a Journal and Portfolio .............................................................................. 21
Important Networking Tips ............................................................................... 22
Instructor Perspectives and Course Descriptions ............................................. 24
EVR2858 Environmental Law ............................................................................. 24
EVS2015 Writing for Science ............................................................................. 24
Comparison of Green Occupation Listings- U.S. Department of Labor ............ 25
Career Opportunities ......................................................................................... 38
Contact Information for Selected Employers .................................................. 43
Firms That Contract With Government Agencies .......................................... 46
Career Resources on the Web ............................................................................ 49
Opportunities for Internships, Volunteering, and Field Experience ............ 50
Job Boards ........................................................................................................... 51
GIS jobs, GISP Certification and Geospatial careers ..................................... 52
Continuing Your Education ............................................................................... 57
Florida Colleges and Universities ................................................................. 60
Dear Student,

We applaud your interest in our environment and the choice you have made to acquire your education in the Environmental Science Department here at Palm Beach State College. We have a tailored, two-year A.S. degree program that equips students with the knowledge, skills and experience they need to be competitive in the environmental field with local businesses and agencies. Our goal is to have every student gainfully employed in the environmental field after graduating from our program.

This booklet is intended to help you market your skills upon graduation, or even while you are still studying to be efficient and focused with your academic studies and to become an environmental professional. In the first part of the manual, you will find information on our courses so you can plan your studies here at the college. This section is followed by career focused information such as a “Résumé Writing Tips” section aimed at helping you compose résumés that will spike employers’ interest and generate job interviews. Then, once you have landed an interview, it will be important to sell yourself to the prospective employers. The “Interview Tips” section provides guidance on making a positive first impression.

In the latter part of the manual, you will find a list of career sectors in the environmental field, job titles associated with those sectors, and prospective employers (both public and private) that are located in the State of Florida, and in most cases right here in Palm Beach County.

We hope you actually study this booklet and treat it as an important learning tool that increases your successes in the program. We are confident this program provides you with the course material you need to be employed, but it takes that next step of researching businesses and agencies, perhaps volunteering or interning, networking, and preparing your résumé to achieve placement and reach your environmental career goals.

Please contact me if you have any further questions about employment in the local environmental field.

Sincerely,

Jessica Miles, Ph.D.

Dr. Jessica Miles
Department Chair
Environmental Science Technology
Environmental Science Program Mission and Purpose

Mission

We are a career focused education program offering an Environmental Science Technology A.S. degree designed to meet local workforce needs through hands-on, relevant, technical, and engaging instruction for Florida students.

Guiding Principles

- Remain passionately focused on bringing the most relevant and engaging environmental science technology curriculum to our students.
- Create friendly relationships with our partners ranging from High School contacts, to local business operators, to local environmental agencies, to our adjunct faculty in order to encourage communications so that we can aim to meet local needs.
- Earnestly pursue grants to offer scholarships for students facing economic hardships as well as for the expansion of program opportunities.
- Be an enthusiastic voice for sustainable practices at the college and in the community.
## Proposed Course Wheel for Environmental Science Technology Track

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall 1</strong></td>
<td>ENC 1101 – College Composition 3</td>
</tr>
<tr>
<td></td>
<td>MAC 1105 – College Algebra 3</td>
</tr>
<tr>
<td></td>
<td>EVR 1001 – Intro to Environmental Science 3</td>
</tr>
<tr>
<td></td>
<td>BSC 1010 – Biology 3</td>
</tr>
<tr>
<td></td>
<td>BSC 1010L – Biology Lab 1</td>
</tr>
<tr>
<td></td>
<td>GEA 1000 – Principles of Geography and Conservation (or other Social Science elective) 3</td>
</tr>
<tr>
<td><strong>Total Semester Credits</strong></td>
<td>15</td>
</tr>
<tr>
<td><strong>Spring 1</strong></td>
<td>CHM 1045 – Chemistry 3</td>
</tr>
<tr>
<td></td>
<td>CHM 1045L – Principles of Chemistry Lab 1</td>
</tr>
<tr>
<td></td>
<td>HSC 2100 – Health Concepts and Strat. 3</td>
</tr>
<tr>
<td></td>
<td>ORH 2511 – Plants of South Florida 3</td>
</tr>
<tr>
<td></td>
<td>GLY 2030C – Environmental Geology 3</td>
</tr>
<tr>
<td></td>
<td>EVR 2266 – Survey in Environmental Mapping/GIS 3</td>
</tr>
<tr>
<td><strong>Total Semester Credits</strong></td>
<td>16</td>
</tr>
<tr>
<td><strong>Fall 2</strong></td>
<td>SPC 1016 – Fundamentals of Speech Com. 3</td>
</tr>
<tr>
<td></td>
<td>EVS 2193C – Environmental Sampling Techniques 4</td>
</tr>
<tr>
<td></td>
<td>EVS 2015 – Writing for Science 3</td>
</tr>
<tr>
<td></td>
<td>EVS 2020 – Scientific Monitoring and Data Methods 3</td>
</tr>
<tr>
<td></td>
<td>- Humanities 3</td>
</tr>
<tr>
<td><strong>Total Semester Credits</strong></td>
<td>16</td>
</tr>
<tr>
<td><strong>Spring 2</strong></td>
<td>EVR 1007 – Florida’s Environmental History 3</td>
</tr>
<tr>
<td></td>
<td>EVR 2858 – Environmental Law 3</td>
</tr>
<tr>
<td></td>
<td>EVR 2940 – Cooperative Work Experience Environmental Science 3</td>
</tr>
<tr>
<td></td>
<td>EVS 2870C – Wildlife Ecology 4</td>
</tr>
<tr>
<td></td>
<td>EVS 2601 – Hazardous Mat. And Environmental Air Quality 3</td>
</tr>
<tr>
<td><strong>Total Semester Credits</strong></td>
<td>17</td>
</tr>
<tr>
<td><strong>Summer</strong></td>
<td>EVR 1007 – Florida’s Environmental History</td>
</tr>
<tr>
<td></td>
<td>EVR 2858 – Environmental Law (full online)</td>
</tr>
<tr>
<td></td>
<td>EVR 2266 – HONORS Survey in Environmental Mapping/GIS (see Math Science Institute notation below)</td>
</tr>
<tr>
<td></td>
<td>PCB2350C – Tropical Ecology (see class notation below)</td>
</tr>
</tbody>
</table>

**Options:**
- Tropical Ecology during Summer A session to a foreign location i.e. Belize or Costa Rica [http://www.palmbeachstate.edu/programs/environmentalscience/](http://www.palmbeachstate.edu/programs/environmentalscience/)
- Math Science Summer Institute (8 weeks) July to August – Honors GIS (EVR 2266) and various math classes – FREE by scholarship [http://www.palmbeachstate.edu/hsi/](http://www.palmbeachstate.edu/hsi/)
- Honors EVR 1001 option, also full online EVR 1001 option
- Some CCE classes for additional certificates offered throughout the year [http://www.palmbeachstate.edu/cce/](http://www.palmbeachstate.edu/cce/)
Course Descriptions

Credits/Clock Hours – 3 credits (3 lecture hours)
Course Description – Provides students with a survey in fundamental mapping skills, geographic information systems, and remote sensing technologies.

EVR1007 – Florida’s Environmental History (AA)
Credits/Clock Hours – 3 credits (3 lecture hours)
Course Description – This course examines the formation of the area presently known as Florida and traces the history of significant environmental developments, particularly those that are consequences of human impact. Focus is on geologic history, pre-human history, period of early man, and period of modern man.

EVR2858 – Environmental Law (AA)
Credits/Clock Hours – 3 credits (3 lecture hours)
Course Description – This course familiarizes the student with major legislation relating to the environment. Local, State, and Federal laws will be included. Habitat destruction, endangered species, environmental contamination, and pollution will be discussed. Students will be trained in how to obtain the text of current legislation.

EVR2940 – Cooperative Work Experience – Environmental Science (AA)
Credits/Clock Hours – 3 credits (3 lecture hours)
Course Description – Hands-on work experience as a volunteer assigned by the college to an appropriate cooperating office(s) or agency(ies). Hours and schedule are mutually determined by the student, cooperating office(s)/agency(ies), and the college. Final written and oral reports are required.

Credits/Clock Hours – 3 credits (3 lecture hours)
Course Description – Provides students with a survey in fundamental mapping skills, geographic information systems, and remote sensing technologies.

EVS2193C – Environmental Sampling Techniques (AA)
Credits/Clock Hours – 4 credits (3 lecture hours, 2 lab hours)
Course Description – This course will provide an overview of the proper procedures and techniques used to collect samples of data from a variety of environmental matrices including water, soil, air and industrial areas. Basic lab skills and instrumentation and equipment calibration and maintenance will be stressed.
EVS2015 – Florida’s Environmental (AA)

**Credits/Clock Hours** – 3 credits (3 lecture hours)

**Prerequisites/Corequisites**
Prerequisite: ENC1101 (with a grade of C or higher)

**Course Description** – Technical writing with an emphasis on scientific reports and documents is covered including the review of literature and analysis of technical reports. Translating technical language into non-technical language for presentation to the general public is also covered.

EVS2020 Scientific monitoring and Data Methods (AA)

**Credits/Clock Hours** – 3 credits (3 lecture hours)

**Prerequisites/Corequisites**
Prerequisite: ENC1101 (with a grade of C or higher)

**Course Description** – Basic computer literacy including spreadsheet, database, word processing, PowerPoint, e-mail, and Internet research skills are covered. The interpretation of charts, graphs, and maps and the use of the metric system of measurement also included.

EVS2870C – Wildlife Ecology (AA)

**Credits/Clock Hours** – 4 credits (3 lecture hours, 2 lab hours)

**Prerequisites/Corequisites**
Prerequisite: BSC1050 (with a grade of C or higher)

**Course Description** – This course familiarizes the student with the basic ecology of vertebrate and invertebrate wildlife and their relationships to their native Florida environments. Standard survey, analyses, and wildlife and land management techniques are also covered. Hands-on experience in ecological data collection will be emphasized.

EVS2601 – Hazardous Materials and Environmental Air Quality (AA)

**Credits/Clock Hours** – 3 credits (3 lecture hours)

**Course Description** – An introduction to characteristics of hazardous materials; determination of work site hazards; understanding the Safety Diamond; using Material Safety Data Sheets; and hazwoper training. Also, an introduction to air quality, building materials, and hands-on laboratory work in air and waste sampling.

GLY2030C – Environmental Geology (AA)

**Credits/Clock Hours** – 3 credits (3 lecture hours)

**Course Description** – Principles of physical and historical geology as applied to the materials, structures, and surface of the earth. Special emphasis on Florida geology with the use of case scenarios and laboratory activities to illustrate environmental concerns including depletion of earth’s resources, water supply problems, and pollution.
ORH2511 – Introduction to Plants of South Florida Ecosystems (AS)

Credits/Clock Hours – 3 credits (3 lecture hours)

Course Description – An overview of the native flora (plant life) of Palm Beach County taught largely in the field. Plants will be studied primarily by their ecological associations and habitats, with additional attention to family groupings. This course is relevant to anyone interested in native plants or local ecology, to those studying environmental science, as well as to horticulturists interested in native plants.

The following is an optional course which takes students to Costa Rica for studies abroad.

PCB2350C – Tropical Ecology (AA)

Credits/Clock Hours – 3 credits (3 lecture hours)

Course Description – The course has been designed to provide students with the total work/study experience.

Students will have an opportunity to study and examine the diverse freshwater and upland ecosystems within the Costa Rican rainforest and the estuarine ecosystems of Tortuguero, providing data for the Costa Rican managers of El Zota Biological Field Station.

Students will be trained in the use of Global Positioning Systems (GPS), for purposes of mapping hydrologic features that sustain the rainforest.

Students will also be instructed in the use of low meters and water quality sampling equipment.

Tortuguero National Park has incredible biological diversity, including eleven different habitats; rainforest, swamps, beaches and lagoons.

Tips on Résumé Writing

A résumé is not just about past jobs, it is about you. A self-promotional document presents you in the best possible light for the purpose of enticing the prospective employer and getting you an invitation for a job interview.

- Tell the employer about you: how you performed in your past jobs, your accomplishments that are relevant to what you want to do next.

- Make your résumé a targeted résumé: Analyze ads and job descriptions to identify keywords. Recognizing and using keywords from employers creates powerful résumés. While a generic résumé may be faster to send out to multiple employers, you are much less likely to get a response; so take the time to tailor each résumé to the job you are applying for and make your effort more worthwhile.

- Be sure to include a job objective: If you do not show a sense of purpose (or direction), employers may not be interested. This part can only be five or six words.

- Use titles and headings that are relevant to the job you want: For example, instead of “responsibilities”, use “on the job accomplishments”. This will grab attention in the first five seconds.

- Create a content that sells: Your skills and abilities are what will generate interviews and salary levels. If seeking a position in accounting, instead of listing your skills as “Accounting/Record Keeping”, you may want to say: “Management of A/R and A/P accounts”. Also, instead of “Administrative”, you may want to say: “Department Administration/Record keeping”. General statements are easily forgotten. Instead of “Gave assignments to entry level staff”, say: “Directed work flow; supervised and trained entry level staff.”

- Use designs that grab attention: Highlight titles, skills, education, and experience relevant to the job. Create an image that sticks to the mind with the use of numbers if possible.

- Identify and resolve employer’s hidden needs: Someone who can effectively work with other departments. Fill your résumé with PAR (Problem, Action, Results) sentences: first state the problem, then your action to resolve it, then the results that ensued. Ex: “Transformed disorganized, inefficient warehouse by redesigning layout; in turn, saving the company thousands of dollars.”

- Worried about age discrimination? You do not have to present your entire work history. List experiences for the past ten to fifteen years and title the section “Recent Work History” or “Relevant Work History”. You can add a paragraph headed “Prior Work History” and simply refer to prior important job experience without mentioning dates.

- Students can make their résumés look more appealing by adding seasonal jobs: “Summer 2004”, or “Spring 2008”, instead of “6/04 – 9/04” or “3/08 – 6/08”.
  - Combine several similar short-time jobs into one chunk, to minimize the job-hopper image. Ex: “1993 -1997: Waiter/Busboy – McDougall, Burger King, Trade Coffee Shop...”

- If you do not have any credentials for the position you are seeking, relate what steps you are taking toward that end: “Graduate studies in Environmental Science in progress”, or “A. S. Degree in Environmental Science anticipated in December 2010”. Any volunteer experience would be valuable at this point.

- Fill gaps by saying as gracefully as possible what you were doing during those periods of time: “1993 – 1995: Full time parent, “Family management”, or “Parenting & community service”.”

- Do not list hobbies unless they are related to the position or job objectives.
Objective
Obtaining a position as a hazmat technician utilizing my skills in monitoring, research, and reporting.

Profile
Associates in Environmental Science student seeking a career in the field of Environmental Science. Two years of experience in environmental coursework. Accustomed to team work and management skills. Highly adaptable and a quick learner. Possess specialized computer skills, and enjoys being out in the sun for long periods of time.

Experience
- **Soil Conservation Technician – ENV Company**  
  February 2003-Present
  - Assisted landowners in identifying, applying for, and practicing specific federal and state programs designed to assist in the viability, conservation and management of land use for food and fiber production or the preservation of natural resources.
  - Assisted District Conservationist in resource planning, outlining outreach programs, and creating conservation plans.
  - Maintained database including entering a daily record of activities, mailing and contact lists, and workload registers.

- **Environmental Resource Program Intern**  
  January 2001-January 2003
  - Florida Department of Environmental Protection
  - Duties included office and field work.
  - Performed compliance inspections on Environmental Resource Permit exemptions and Notice General Permits issued for various construction and maintenance projects.
  - Responsible for the proper operation and maintenance of one of the department’s boats.

Education
- **Palm Beach State College**  
  August 2008-Present
  - Currently have 48 credits towards a degree in Environmental Science Technology.
  - Awarded the Presidents List certificate for holding a GPA of over 3.8 for each semester attended.
  - Member of Phi Theta Kappa honors society.
  - Member of the Community Earth Club.

- **HazWOPER 40 hour Certificate - Current**  
  May 2010-Present
  - Understand the properties of hazardous materials
  - Able to read and interpret Material Safety Data Sheets
Can determine work site hazards and initiate safe working environment
Training in utilization of specialized equipment such as respirators, SCBA’s, and hazmat suits

Courses

- **Hazardous Materials and Environmental Air Quality**
  - Able to identify hazardous materials, public safety precautions, and conduct air quality analyses utilizing specialized equipment.

- **Arc GIS and GPS**
  - Gained fundamental skills in mapping, remote sensing technologies, and GPS data collection.

- **Environmental Geology**
  - Able to identify geological materials, knowledgeable of Florida geology, and can conduct soil sampling procedures.

- **Scientific Monitoring and Data Methods**
  - Able to organize data into tables and charts using spreadsheets, databases, and word processors, as well as interpret charts, graphs, and maps, and run basic statistics.

- **Writing for Science**
  - Able to write and interpret scientific research papers and reports, and translate technical language into non-technical language. Able to present scientific material to an audience.

- **Introduction to Plants of South Florida**
  - Able to identify Florida native plants and invasive exotics, and possess basic skills in delineating wetlands.

- **Wildlife Ecology**
  - Able to identify Florida vertebrates and invertebrates, and able to collect ecological data using various sampling methods.

- **Environmental Law**
  - Understand state and federal environmental laws as they relate to environmental preservation, conservation, reclamation, and protection

Skills

- Proficient using multiple operating systems: Microsoft Windows XP, Vista, and 7, Mac OSX, and Linux.
- Proficient using Microsoft Office Suite (Word, Excel, Power Point)
- Use of Arc GIS 10 and GPS
- Boat handling and trailering
- 4-wheel drive and ATV operations

Volunteer Experience

- **Wildlife Refuge**
  - Assisted biologists with building an artificial snail kite habitat over the course of five days.
• Juno Beach August 2008 – Present
  o Volunteered time once a month to aid in beach cleanups along Juno Beach
Objective
Write the ultimate goal for your resume. List the position you are trying to acquire in a strong general statement.

Profile
Write a brief, general description of yourself that contains information that is pertinent to the position you are trying to attain.

Experience
• **Job Title / Place of Employment**  Dates of employment
  - Description of duties/ accomplishments via bullet points.

Education
• **School/ institution**  Dates of Attendance
  - Degree/ Certificates received, Clubs apart of, accomplishments, and awards.

Courses
• **Course Name**
  - Pertinent Skill(s) acquired from class that may not be mastered well enough to add as a skill under skills section.

Skills
• List any skill(s) that are pertinent to your objective. Examples: Commercial vehicle operators licenses, computer operating system literacy, common/uncommon computer application skills, etc...

Volunteer Experience
• **Place Volunteered**  Dates Volunteered
  - Brief description of your volunteer service
The Palm Beach State College Career Centers are committed to educating and assisting students in developing, evaluating and implementing career plans.

- Job search guidance and advising
- Job seeking, interviewing, and résumé writing assistance and workshops
- Palm Beach State Résumé Writing Wizard
- Part-time and full-time job listings
- Job alerts via email
- Online résumé posting to jobs
- Yearly job fairs
- Employer on-campus recruitment

Where do I start?

Step 1:
Visit one of our Career Centers for an introduction to our services and resources

Step 2:
Logon to Palm Beach State Online Career Office:

LOGIN
>> [http://www.palmbeachstate.edu/career/student-login/](http://www.palmbeachstate.edu/career/student-login/)

This program gives you access to thousands of resources to assist in your career exploration and/or job search.

Step 3:
For individual assistance in your career planning or job search, please set up an appointment with a Career Development Advisor at one of the Career Centers.
Tips on Writing a Cover Letter

It is always good practice to include a well-written cover letter when sending a résumé. The cover letter should create interest so that the employer wants to read your résumé.

The cover letter is your chance to:

- Target your background to the job you’re applying for.
- Show that you know a little about the company or organization.
- Suggest areas in which your skills fit an employer’s needs.

What you need to know:

- Address your cover letter by name and title of the person who could hire you; if it is impossible to learn their name, use their functional title (Example: Dear Recruiter or Dear Selection Committee).
- Express interest and enthusiasm by letting the employer know you have an idea or some ideas that might help the employer resolve a problem currently facing the industry; offer to come in and discuss it.
- Set yourself apart from the crowd by identifying something unique about you such as a special talent you have for the particular job you are applying for.
- Be specific about the position or type of work you are applying for and be sure to mention the related skills and experience you have.
- Take the initiative by citing “I will contact you within the next week to make sure you have received my résumé”.
- Keep your cover letter brief and to the point including three to four paragraphs at the most.

Guidelines:

- Use quality 8 ½ x 11 stationery and envelopes with 20-25 lb. weight and 100% cotton rag content paper.
- Use conservative business color such as white, off white or cream.
- Only type on one side of the paper.
- Make sure you have a good printer that is printing well.
- Use the same type style for both the résumé and cover letter.
- Create your own letterhead with your name, address and phone number or use block style format for the return address.
- Address the letter to the hiring person followed by their title. You may have to call the company and talk to the receptionist to find out this information. In case of a blind ad, you can use Dear Sir or Madam for the salutation. So not to offend anyone, do not use Dear Sir only.
- It is generally acceptable to use abbreviations for Inc., Corp., or states, etc. It is best to find out what the company’s practice is for abbreviating their company name.
- When developing your sentences use action verbs. (Analyzed, Contracted, Reviewed, Wrote etc.)
- Use Sincerely for the closing. Do not use an informal closing such as, “Best regards”.
- Keep the letter to one page. Short and simple sentences should be used.
- Use of bullets to highlight accomplishments can also be used.
- Check spelling, punctuation, and appearance.
- Type your envelope if possible.
Helpful Interview Tips

You have filled out applications for numerous job openings, sent out several résumés and after a long waiting period, finally the phone call comes. It is a time of excitement and elation, but how do you handle it?

The prospective employer may just want to speak with you briefly and confirm your interest in the position, or may want to conduct a rigorous phone interview. Don’t feel obligated to launch into the conversation unprepared. It is ok to say “this is not a convenient time for me, but I will be available later today or tomorrow,” and ask to be called back, or offer to call.

Use the time requested to prepare: research the employer, prepare some questions to ask.

- What prompted your interest in my application?
- How much time should I allow for the interview?
- Is there a screening test? What should I do to prepare?

The Interview

Depending on the position, the phone conversation may be followed by one or several face to face interviews. Interviews can be as much about testing your knowledge and skill levels as about testing your personality. If the interview is conducted by a panel, your ability to address a group may be tested.

Plan ahead:

- Review your work experience, learn everything you can about the employer, prepare answers that relate to the company, focus on accomplishments relevant to the position, find out about the industry, the company’s competitors, etc...
- Get plenty of rest; eat a light meal before the interview.

On the day of interview:

- Always dress-up even if someone from the company tells you that the dress code is casual.
- Be prompt: arrive early, never late or merely on time. Do not arrive too early, as this may infringe the interviewer’s schedule.
- Bring an interview notebook: a small binder containing research on the employer, extra résumés, a list of references, and your questions. Do not bring big bags, briefcases, lunch, etc… You want to appear focused, efficient and organized. Don’t submit the reference list unless you are asked for it.
- Bring examples of your work if possible.
- If offered a beverage, it is most polite to accept. If offered to go to lunch for the interview, pick something easy to eat. No finger food, never an alcoholic beverage.

During the interview:

- Give socially acceptable answers without lying. Maintain eye contact. Be positive.
- Watch your facial expression: do not look bewildered or nervous. Remember to smile every now and then; a plastered smile throughout the interview may look faked.
- Stand and sit straight and tall. Sit toward the front of the chair, leaning slightly forward.
- Keep gestures to a minimum. If you have to make gestures, let them be natural and meaningful.

At the end of the interview, find out the expected time for the employer to make a hiring decision.
**Groom & Dress for Success**

“*You never get a second change to make a first impression*”

This definitely holds true in an interviewing situation. The moment an interviewer meets you, he or she is not only assessing the way you communicate verbally and nonverbally, but also your appearance.

**General guidelines for a professional interview:**

<table>
<thead>
<tr>
<th>MEN:</th>
<th>WOMEN:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single breasted suit</td>
<td>Tailored suit (skirt knee length)</td>
</tr>
<tr>
<td>Suits in navy, gray, brown or black</td>
<td>Suit in navy, black, gray or taupe)</td>
</tr>
<tr>
<td>Conservative tie</td>
<td>Classic pump (color should match skirt)</td>
</tr>
<tr>
<td>Dark dress shoes</td>
<td>Natural colored hosiery</td>
</tr>
<tr>
<td>Dark socks</td>
<td>Light make up</td>
</tr>
<tr>
<td>Dark dress belt</td>
<td>No excessive jewelry</td>
</tr>
<tr>
<td>Clean shaven</td>
<td>Leather handbag</td>
</tr>
<tr>
<td>No earrings</td>
<td>Light nail polish (natural or lt. pink)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BOTH MEN AND WOMEN:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Be well rested</td>
</tr>
<tr>
<td>Shower/bath</td>
</tr>
<tr>
<td>Brush teeth/use mouthwash/deodorant</td>
</tr>
<tr>
<td>Neat, clean and pressed clothes</td>
</tr>
<tr>
<td>Manicure your nails</td>
</tr>
<tr>
<td>Shine shoes</td>
</tr>
<tr>
<td>Do not use strong fragrances</td>
</tr>
<tr>
<td>Nicely cut hair</td>
</tr>
<tr>
<td>Leather briefcase/portfolio/nice pen</td>
</tr>
</tbody>
</table>
Typical Interview Questions/ How to Answer Tips
Some questions you should be ready to answer

- **Tell me about yourself?**
  This is not a time to talk about your life story. The interviewer wants to see if you can talk about yourself in a positive manner. Talk about your skills, accomplishments and personality traits that are related to the job for which you are interviewing.

- **What is your greatest weakness?**
  You can mention a weakness that really could be a positive for an organization and how you are overcoming that weakness. Example: “In the past, I pushed back deadlines so I could submit top quality work. Since then, I’ve learned to manage my time better and delegate more effectively so I can meet my deadlines.”

- **Why do you have a gap in your employment?**
  If you have gaps in your employment, be prepared to answer this question. Focus on those endeavors that related most closely to work activities such as, going to school, doing volunteer work, involved in professional affiliations, etc. Talk about anything that would sound like work.

- **Give me an example of a problem and how you solved it.**
  The employer wants to know if you can logically solve problems. When describing the problem, explain the steps you took to solve it. You might use this framework: defined the problem, evaluated your options, decided on a solution, and solved the problem.

**Practice answering these additional questions:**

- What do you know about our company?
- Why should we hire you?
- What can you do for us that someone else cannot?
- What do you look for in a job?
- What skills and qualifications are essential in the position of __________?
- How long will it take you to make a meaningful contribution to the company?
- How does this assignment fit your overall career plans?
- Why are you looking for a new career?
- How would your colleagues describe you?
- How would your boss describe you?
- How would you describe yourself?
- What do you think of your present and past boss?
- What are your five most significant accomplishments in your last job? In your career?
- Can you work well under pressure? Deadlines?
- Why do you want to work for this company?
- What other positions are you considering?
- Have you kept up in your field with additional training?
- What are your strong points? Weak points?
- What position do you expect to hold in 2 to 5 years?
- Why are you unemployed?
- What pay you are looking for?
- What question did I not ask that you expected?
Some Questions You May Ask:

- Why is this position open? How often has it been filled in the past five years?
- What would you like done differently by the next person who fills this position?
- What would you like to see accomplished in this job?
- What are your short term expectations? Long term?
- What are the advancement possibilities for someone who is successful in this position?
- How is one evaluated – What accounts for success with this company?

Don’t Ask These Questions:

- Salary: Wait until interviewer addresses the topic.
- Benefits: Vacation, Sick leave, Insurance, etc.
- Personal Questions: Never ask the interviewer about his or her educational background, marital status, children, religion, etc.
- Questions Already Answered During Interview.

Also Important:

- Never say anything negative about your current or past employer.
- When asked about your age, be proud and stress your experience and accomplishments.
- It is not illegal for an employer to ask if you meet the minimum age requirements, especially if it is relevant to the position.
- It is illegal for an employer to ask about your health. If it happens, focus on your motivation, energy and stamina.
Oral Communication Skills

Practice your communications skills while improving your interviewing skills anywhere you have access to the internet and a webcam by using “Perfect Interview”.

- View videos of over 1,500 tough questions from professional interviewers.
- You answer questions on the spot.
- Use the webcam to record your answers.
- See examples of how to answer questions effectively.
- When you are done, upload your interview and share it with the Career Center to receive feedback.

Computers with webcams can be found in the Career Centers. Please schedule an appointment to ensure access to these computers:

- Lake Worth Campus: Career Center - CT 104 - 868-3066
- Palm Beach Gardens Campus: Call for Locations - BR129 - 207-5350
- Boca Raton: Call for locations - 862-4325
- Belle Glade: Call for locations - 993-1182

Webcams are also available in the Library (Media Services) and Student Learning Center.
Interview Etiquette and Attitude

ETIQUETTE:

➢ Be punctual. Arrive 15 minutes early.
➢ Say good morning/afternoon and introduce yourself to the receptionist and interviewer.
➢ Greet the interviewer with a firm handshake before and after interview.
➢ Use Mr. or Ms. and the interviewer’s last name, unless the interviewer requests otherwise.
➢ Do not sit until invited to do so.
➢ Sit and stand up straight; it is best to keep your feet flat on the floor.
➢ Smile and project pleasant facial expressions during the interview.
➢ Do not smoke, even if interviewer does.
➢ No gum chewing.
➢ Avoid distracting behavior (swinging feet, rocking in the chair, tapping a pen, touching your face)
➢ Do not take control of interview and don’t interrupt.
➢ Do not use slang. Always use good grammar.
➢ Speak clearly and avoid mumbling. Do not use “um” or “ah” when pausing.
➢ Do not talk too fast or too much.
➢ Show your sense of humor when appropriate.
➢ Do not fold arms across the front of you.
➢ Nod head when appropriate.
➢ Do not bring a friend to the interview.
➢ Thank interviewer for his/her time.

ATTITUDE:

➢ Be truthful.
➢ Be enthusiastic and positive and “sell” yourself.
➢ Be confident in your abilities and knowledge.
➢ Do not use “I think” or “I guess” which makes you sound indecisive or unsure.
➢ Do not be vague by using phrases like “pretty good” or “fairly well”.
➢ Show your interest in the job and organization (but do not appear desperate).
➢ Show you are goal oriented.
➢ Participate, ask questions.
➢ Be mature, friendly and tactful.
➢ Do not be evasive about any negative factors in your past.
➢ Do not be negative about past employers or jobs.
➢ Do not talk about personal problems.
➢ Do not emphasize whom you know.
➢ Do not be a know it all: show willingness to learn.
➢ Be nice to all those you meet including the receptionist.
➢ Show you are interested in a “career” not a “job”.
➢ Show a willingness to start at the bottom.
➢ Show your willingness to relocate, if true.
➢ Do not emphasize the importance of money.
Most Desirable Qualities of Job Seekers

- Willingness to share information and ideas.
- Commitment to teamwork.
- Responsiveness to change.
- Sense of ownership of work and ideas.
- Willingness to take calculated risks.
- Multicultural experience and/or ability to speak multiple languages.
- Ability to communicate clearly and honestly.
- Commitment to continuous learning.

Some employers may use tests to check for these desirable qualities. Employment tests measure not only qualities but also abilities, skills, aptitudes, and attitudes.

A few examples of types of test:

*Personality or psychological tests*: these types of tests evaluate personality strengths, limitations, motivations, problem solving skills, stability, open-mindedness, etc.

*Aptitude or proficiency tests*: These types of tests evaluate your ability to learn and/or the abilities you already possess (typing, computer knowledge, accounting etc.).

*Psychomotor tests*: Measures manual dexterity and motor coordination.

*Drug tests*: This form of testing is often a required condition for employment.

*Work sample tests*: These tests involve completing work samples similar to those required on the job.

Keep a Journal and Portfolio:

The ability to show these most desirable qualities will greatly aid in achieving your goal of finding the position you are applying/searching for. Keeping a detailed journal and portfolio are great tools for organizing and maintaining your information. Document your accomplishments and develop a file of work samples. Also, include in your portfolio volunteer work, internships, awards, letters of recognition, etc. These documents will also be beneficial when updating your résumé.
Important Networking Tips

WHAT IS NETWORKING?

Networking is a communication process often used to gather career information and to locate job opportunities. It is a means of creating a system of contacts for information and support. Individuals who know how to network and who are well informed about various careers are more likely to get job leads and job offers.

Networking involves purposefully developing relationships with others. The intent is to exchange information. You relay your abilities and goals and, in return, you acquire career advice and information, and referrals from others.

The networking process involves both identifying your own networks as well as linking your networks to the networks of others.

You are networking when you...

- attend professional meetings, conferences, or conventions.
- visit with other parents during your child's sporting or music events.
- volunteer for "clean-up" day at the park.
- visit with other members of your social clubs or religious groups.
- talk with your neighbors.
- strike up a conversation with someone else waiting at the veterinarian's office.
- search out friends (current as well as former) on Facebook.
- re-connect with former colleagues on LinkedIn.
- talk to sales persons visiting your office.

Attend Seminars: Seminars can provide opportunities to enhance your skills or learn new ones. In addition, they are a great way to network and meet others in the same occupation or industry. Always stay after for discussion. Shake hands and introduce yourself.

Join and Actively Participate in Associations: Joining associations related to your job can be beneficial. They provide great networking opportunities, as well as conferences, seminars or workshops to update or enhance your knowledge in your area of expertise.

Network with other job seekers: You will probably run across others also in the job market. Try to get to know them, encourage them. Learn what they are encountering. If you hear of jobs outside your area of interest, share them with others. Who knows? They may do the same for you.

Building relationships: Establishing and building relationships, not hard selling, is the key to successful networking. Be prepared to share your expertise, contacts and compassion.

Decide how to organize your network: This step is crucial to your success. Use a rolodex, database or spreadsheet where you can enter key information, such as names, titles, company names, addresses, phone numbers, fax numbers, email addresses, and dates of communication. Keeping an organized collection of business cards, where you can write notes and comments about your network, is another alternative.
Important Networking Tips continued...

**Brainstorm for Contacts:**

Think of everyone who could possibly serve as a contact. Do not limit yourself to people who could clearly help you out - friendly, accessible people in unrelated fields often have contacts they would be happy to share with you.

**To get you started with your list, here are some suggestions:**

<table>
<thead>
<tr>
<th>Family friends</th>
<th>Local politicians</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relatives</td>
<td>Journalists</td>
</tr>
<tr>
<td>Neighbors</td>
<td>Business executives</td>
</tr>
<tr>
<td>Professors</td>
<td>Non-profit directors</td>
</tr>
<tr>
<td>Alumni</td>
<td>Your physician</td>
</tr>
<tr>
<td>Former employees</td>
<td>Your hair dresser</td>
</tr>
<tr>
<td>Former co-workers</td>
<td>Prominent community members</td>
</tr>
<tr>
<td>Public relations officials</td>
<td>Members of professional organizations</td>
</tr>
</tbody>
</table>

**Where the Contacts Are - Tried and True Places to Network:**

<table>
<thead>
<tr>
<th>Local alumni association</th>
<th>Conventions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class reunions</td>
<td>Club meetings</td>
</tr>
<tr>
<td>Cocktail parties</td>
<td>Internet list-services</td>
</tr>
<tr>
<td>Fundraisers</td>
<td>Volunteer opportunities</td>
</tr>
<tr>
<td>Business conferences</td>
<td></td>
</tr>
</tbody>
</table>

**Follow up immediately:** The next day, send an e-mail or make a quick call.
You want to grow the relationship, so take the first step.
Instructor Perspectives and Course Description

EVR2858  Environmental Law
This course familiarizes the student with major legislation relating to the environment. Local, State, and Federal laws will be included. Habitat destruction, endangered species, environmental contamination, and pollution will be discussed. Students will be trained in how to obtain the text of current legislation.

Instructor Perspectives: Environmental Law Course
“The main job skill obtained from completing the Environmental Law course is the ability for a student to take a job that involves enough background in environmental law matters that they can take up tasks related to regulatory compliance. Completing this course will not be enough to get a job on its own. This class, plus the sampling and data analysis classes will let students take jobs as technicians for consulting companies that are hired to conduct sampling for regulatory compliance. The Environmental Law class plus the Writing for Science class gives the graduate the skills to take a job at a consulting company or state agency that would involve writing permit applications for a construction/ restoration project. Finally, the class lends itself to the larger picture (along with the skills learned in the writing class and a few others) - that is to convince students to continue their education with a bachelors or beyond…”

Matt Harwell, Ph.D.

EVS2015 Writing for Science
Technical writing with an emphasis on scientific reports and documents is covered including the review of literature and analysis of technical reports. Translating technical language into non-technical language for presentation to the general public is also covered.

Instructor Perspectives: Writing for Science
“Sufficient ability to communicate technical information is a primary skill sought by all employers in the scientific community. Completion of the Technical Writing course provides the student with the ability to:
(1) read, dissect, and critique technical literature;
(2) effectively and efficiently search for appropriate technical material (i.e., literature, databases, etc.);
(3) synthesize technical information from various sources; and
(4) present findings in written and oral forums.
Completion of the Technical Writing course along with writing experience (i.e., peer-reviewed publications, government reports, manuals, text book chapters, etc.) in the environmental discipline can lead to employment as a:
* freelance writer,
* government Contractor (i.e., US Fish and Wildlife Service, Nat. Park Service, US Geological Survey, etc.),
* consultant (i.e., Plateau TechComm, BioTechnical Support Services, etc.),or
* corporate Technical Writer (i.e., GE, RTGX, Platinum Solution, etc.)
Combining the Technical Writing course with courses such as Environmental Law, Sample Design, and Data Analysis opens the employment pool to more specific jobs producing various technical manuscripts to include:
* proposals,
* permits,
* manuals,
* text books, and much more.
Though these courses in combination provide significant insight in the methods of going from an idea to final technical document for a research project, proposal, etc., experience is necessary to acquire most of these jobs. Volunteer work goes a long way in filling the role of acquiring experience, but ultimately students in these courses should continue on to acquire Bachelor’s, Master’s, and PhD’s in the discipline. Along the road of acquiring these degrees, the student learns to master the written and oral communication skills employers are seeking. Further, mastery of these skills can lead the determined student to the American Dream of self-employment.”

Donatto Surratt, PhD
Dear Students:

Perhaps you often question where the environmental science field is going, especially today when there are concerns about job security. Well I encourage you to remain informed about your field of choice and the potential for growth. I have attached an excel spreadsheet that includes data from the U.S. Department of Labor, that demonstrates which environment fields currently in existence are expected to increase and which job sectors are considered emerging occupations that will also grow in demand. I personally highlighted fields in yellow that show an increase that are incorporated into our Environmental Science Program here at Palm Beach State College. I want to support you in your educational journey, but also keep you apprised of your career endeavors once you leave the program.

Jessica Miles

### Comparison of Green Occupation Listings - U.S. Department of Labor – O*Net Online

#### Green Increased Demand Occupations

<table>
<thead>
<tr>
<th>Title</th>
<th>Description</th>
<th>Yes</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Plant and System Operators</td>
<td>Control or operate an entire chemical process or system of machines.</td>
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</table>

#### Green New and Emerging Occupations

<table>
<thead>
<tr>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biofuels Production Managers</td>
<td>Manage operations at biofuels power generation facilities. Collect and process information on plant performance, diagnose problems, and design corrective procedures.</td>
</tr>
<tr>
<td>Chemical Technicians</td>
<td>Conduct chemical and physical laboratory tests to assist scientists in making qualitative and quantitative analyses of solids, liquids, and gaseous materials for purposes, such as research and development of new products or processes, quality control, maintenance of environmental standards, and other work involving experimental, theoretical, or practical application of chemistry and related sciences.</td>
</tr>
<tr>
<td>Chemists</td>
<td>Conduct qualitative and quantitative chemical analyses or chemical experiments in laboratories for quality or process control or to develop new products or knowledge.</td>
</tr>
<tr>
<td>Computer Software Engineers, Systems Software</td>
<td>Research, design, develop, and test operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computing applications. Set operational specifications and formulate and analyze software requirements. Apply principles and techniques of computer science, engineering, and mathematical analysis.</td>
</tr>
<tr>
<td>Computer-Controlled Machine Tool Operators, Metal and Plastic</td>
<td>Operate computer-controlled machines or robots to perform one or more machine functions on metal or plastic work pieces.</td>
</tr>
<tr>
<td>Electrical and Electronic Equipment Assemblers</td>
<td>Assemble or modify electrical or electronic equipment, such as computers, test equipment telemetering systems, electric motors, and batteries.</td>
</tr>
<tr>
<td>Title</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
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</tr>
<tr>
<td><strong>Electrical and Electronics Repairers, Commercial and Industrial Equipment</strong></td>
<td>Repair, test, adjust, or install electronic equipment, such as industrial controls, transmitters, and antennas.</td>
</tr>
<tr>
<td><strong>Electrical Power-Line Installers and Repairers</strong></td>
<td>Install or repair cables or wires used in electrical power or distribution systems. May erect poles and light or heavy duty transmission towers.</td>
</tr>
<tr>
<td><strong>Electricians</strong></td>
<td>Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. May install or service street lights, intercom systems, or electrical control systems.</td>
</tr>
<tr>
<td><strong>Electronics Engineering Technicians</strong></td>
<td>Lay out, build, test, troubleshoot, repair, and modify developmental and production electronic components, parts, equipment, and systems, such as computer equipment, missile control instrumentation, electron tubes, test equipment, and machine tool numerical controls, applying principles and theories of electronics, electrical circuitry, engineering mathematics, electronic and electrical testing, and physics. Usually work under direction of engineering staff.</td>
</tr>
<tr>
<td><strong>Environmental Scientists and Specialists, Including Health</strong></td>
<td>Conduct research or perform investigation for the purpose of identifying, abating, or eliminating sources of pollutants or hazards that affect either the environment or the health of the population. Utilizing knowledge of various scientific disciplines may collect, synthesize, study, report, and take action based on data derived from measurements or observations of air, food, soil, water, and other sources.</td>
</tr>
<tr>
<td>Green Increased Demand Occupations</td>
<td>Green New and Emerging Occupations</td>
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</tr>
<tr>
<td><strong>Title</strong></td>
<td><strong>Description</strong></td>
</tr>
<tr>
<td>Farm and Home Management Advisors</td>
<td>Advise, instruct, and assist</td>
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<tr>
<td></td>
<td>individuals and families engaged</td>
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<tr>
<td></td>
<td>in agriculture, agricultural-</td>
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<tr>
<td></td>
<td>related processes, or home</td>
</tr>
<tr>
<td></td>
<td>economics activities. Demonstrate</td>
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<td></td>
<td>procedures and apply research</td>
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<td></td>
<td>findings to solve problems;</td>
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<tr>
<td></td>
<td>instruct and train in product</td>
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<tr>
<td></td>
<td>development, sales, and the</td>
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<td></td>
<td>utilization of machinery and</td>
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<td></td>
<td>equipment to promote general</td>
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<tr>
<td></td>
<td>welfare. Includes county</td>
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<tr>
<td></td>
<td>agricultural agents, feed and</td>
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<tr>
<td></td>
<td>farm management advisers, home</td>
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<td></td>
<td>economists, and extension service</td>
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<tr>
<td></td>
<td>advisors.</td>
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<td></td>
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<tr>
<td>First-Line Supervisors/Managers</td>
<td>Directly supervise and coordinate</td>
</tr>
<tr>
<td>of Agricultural Crop and</td>
<td>activities of agricultural crop or</td>
</tr>
<tr>
<td>Horticultural Workers</td>
<td>horticultural workers.</td>
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<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>First-Line Supervisors/Managers</td>
<td>Supervise and coordinate the</td>
</tr>
<tr>
<td>of Mechanics, Installers, and</td>
<td>activities of mechanics,</td>
</tr>
<tr>
<td>Repairers</td>
<td>installers, and repairers.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>First-Line Supervisors/Managers</td>
<td>Supervise and coordinate the</td>
</tr>
<tr>
<td>of Production and Operating</td>
<td>activities of production and</td>
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<tr>
<td>Workers</td>
<td>operating workers, such as</td>
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<td></td>
<td>inspectors, precision workers,</td>
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<tr>
<td></td>
<td>machine setters and operators,</td>
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<td></td>
<td>assemblers, fabricators, and</td>
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<tr>
<td></td>
<td>plant and system operators.</td>
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<tr>
<td>Compliance Managers</td>
<td>Plan, direct, or coordinate</td>
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<td></td>
<td>activities of an organization to</td>
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<td></td>
<td>ensure compliance with ethical or</td>
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<td></td>
<td>regulatory standards.</td>
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<tr>
<td>Electrical Engineering</td>
<td>Apply engineering theory and</td>
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<tr>
<td>Technologists</td>
<td>technical skills to support</td>
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<td></td>
<td>electrical engineering activities</td>
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<td></td>
<td>such as process control, electrical</td>
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<td></td>
<td>power distribution, and</td>
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<td></td>
<td>instrumentation design. Prepare</td>
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<tr>
<td></td>
<td>layouts of machinery and equipment,</td>
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<tr>
<td></td>
<td>plan the flow of work, conduct</td>
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<tr>
<td></td>
<td>statistical studies and analyze</td>
</tr>
<tr>
<td></td>
<td>production costs.</td>
</tr>
<tr>
<td>Electromechanical Engineering</td>
<td>Apply engineering theory and</td>
</tr>
<tr>
<td>Technologists</td>
<td>technical skills to support</td>
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<tr>
<td></td>
<td>electromechanical engineering</td>
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<td></td>
<td>activities such as computer-based</td>
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<td></td>
<td>process control, instrumentation,</td>
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<tr>
<td></td>
<td>and machine design. Prepare</td>
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<tr>
<td></td>
<td>layouts of machinery and equipment,</td>
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<td></td>
<td>plan the flow of work, conduct</td>
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<tr>
<td></td>
<td>statistical studies and analyze</td>
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<tr>
<td></td>
<td>production costs.</td>
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<tr>
<td>Electronics Engineering</td>
<td>Apply engineering theory and</td>
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<td>Technologists</td>
<td>technical skills to support</td>
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<td>electronics engineering activities</td>
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<td>such as electronics systems and</td>
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<td></td>
<td>instrumentation design and digital</td>
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<tr>
<td></td>
<td>signal processing.</td>
</tr>
</tbody>
</table>

28
<table>
<thead>
<tr>
<th>Fish and Game Wardens</th>
<th>Patrol assigned area to prevent fish and game law violations. Investigate reports of damage to crops or property by wildlife. Compile biological data.</th>
<th>Potential</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest and Conservation Technicians</td>
<td>Compile data pertaining to size, content, condition, and other characteristics of forest tracts, under direction of foresters; train and lead forest workers in forest propagation, fire prevention and suppression. May assist conservation scientists in managing, improving, and protecting rangelands and wildlife habitats, and help provide technical assistance regarding the conservation of soil, water, and related natural resources.</td>
<td>Potential</td>
<td></td>
</tr>
<tr>
<td>Forest and Conservation Workers</td>
<td>Under supervision, perform manual labor necessary to develop, maintain, or protect forest, forested areas, and woodlands through such activities as raising and transporting tree seedlings; combating insects, pests, and diseases harmful to trees; and building erosion and water control structures and leaching of forest soil. Includes forester aides, seedling pullers, and tree planters.</td>
<td>Potential</td>
<td></td>
</tr>
<tr>
<td>Helpers--Installation, Maintenance, and Repair Workers</td>
<td>Help installation, maintenance, and repair workers in maintenance, parts replacement, and repair of vehicles, industrial machinery, and electrical and electronic equipment. Perform duties, such as furnishing tools, materials, and supplies to other workers; cleaning work area, machines, and tools; and holding materials or tools for other workers.</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Energy Auditors</td>
<td>Conduct energy audits of buildings, building systems and process systems. May also conduct investment grade audits of buildings or systems.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy Brokers</td>
<td>Purchase or sell energy for customers.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy Engineers</td>
<td>Design, develop, and evaluate energy-related projects and programs to reduce energy costs or improve energy efficiency during the designing, building, or remodeling stages of construction. May specialize in electrical systems; heating, ventilation, and air-conditioning (HVAC) systems; green buildings; lighting; air quality; or energy procurement.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Certification Specialists</td>
<td>Guide clients such as manufacturers, organic farms, and timber companies through the process of being certified as green.</td>
<td></td>
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</tr>
<tr>
<td>Title</td>
<td>Description</td>
<td>Potential</td>
<td>Description</td>
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<tr>
<td>Hydrologists</td>
<td>Research the distribution, circulation, and physical properties of underground and surface waters; study the form and intensity of precipitation, its rate of infiltration into the soil, movement through the earth, and its return to the ocean and atmosphere.</td>
<td>Potential</td>
<td>Environmental Economists</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Assess and quantify the benefits of environmental alternatives, such as use of renewable energy resources.</td>
</tr>
<tr>
<td>Industrial Engineers</td>
<td>Design, develop, test, and evaluate integrated systems for managing industrial production processes including human work factors, quality control, inventory control, logistics and material flow, cost analysis, and production coordination.</td>
<td>Potential</td>
<td>Environmental Restoration Planners</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Collaborate with field and biology staff to oversee the implementation of restoration projects and to develop new products. Process and synthesize complex scientific data into practical strategies for restoration, monitoring or management.</td>
</tr>
<tr>
<td>Industrial Machinery Mechanics</td>
<td>Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems.</td>
<td>Potential</td>
<td>Fuel Cell Engineers</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Design, evaluate, modify, and construct fuel cell components and systems for transportation, stationary, or portable applications.</td>
</tr>
<tr>
<td>Industrial Production Managers</td>
<td>Plan, direct, or coordinate the work activities and resources necessary for manufacturing products in accordance with cost, quality, and quantity specifications.</td>
<td>Potential</td>
<td>Fuel Cell Technicians</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Install, operate, and maintain integrated fuel cell systems in transportation, stationary, or portable applications.</td>
</tr>
<tr>
<td>Industrial Safety and Health</td>
<td>Plan, implement, and coordinate safety programs, requiring application of engineering principles and technology, to prevent or correct unsafe environmental working conditions.</td>
<td>Yes</td>
<td>Geographic Information Systems Technicians</td>
</tr>
<tr>
<td>Engineers</td>
<td></td>
<td></td>
<td>Assist scientists, technologists, and related professionals in building, maintaining, modifying, and using geographic information systems (GIS) databases. May also perform some custom application development and provide user support.</td>
</tr>
<tr>
<td>Industrial Safety and Health</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineers</td>
<td></td>
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<tr>
<td>Title</td>
<td>Description</td>
<td>Potential</td>
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</tr>
<tr>
<td><strong>Green Increased Demand Occupations</strong></td>
<td></td>
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</tr>
<tr>
<td>Natural Sciences Managers</td>
<td>Plan, direct, or coordinate activities in such fields as life sciences, physical sciences, mathematics, statistics, and research and development in these fields.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Distributors and Dispatchers</td>
<td>Coordinate, regulate, or distribute electricity or steam.</td>
<td>Yes</td>
<td>Potential</td>
</tr>
<tr>
<td>Purchasing Agents and Buyers, Farm Products</td>
<td>Purchase farm products either for further processing or resale.</td>
<td>Potential</td>
<td>Potential</td>
</tr>
<tr>
<td>Solderers and Brazers</td>
<td>Braze or solder together components to assemble fabricated metal parts, using soldering iron, torch, or welding machine and flux.</td>
<td>Potential</td>
<td>Potential</td>
</tr>
<tr>
<td>Stationary Engineers and Boiler Operators</td>
<td>Operate or maintain stationary engines, boilers, or other mechanical equipment to provide utilities for buildings or industrial processes. Operate equipment, such as steam engines, generators, motors, turbines, and steam boilers.</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Team Assemblers</td>
<td>Work as part of a team having responsibility for assembling an entire product or component of a product. Team assemblers can perform all tasks conducted by the team in the assembly process and rotate through all or most of them rather than being assigned to a specific task on a permanent basis. May participate in making management decisions affecting the work. Team leaders who work as part of the team should be included.</td>
<td>Yes</td>
<td>Potential</td>
</tr>
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</tr>
<tr>
<td>Welders, Cutters, and Welder Fitters</td>
<td>Use hand-welding or flame-cutting equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Zoologists and Wildlife Biologists</td>
<td>Study the origins, behavior, diseases, genetics, and life processes of animals and wildlife. May specialize in wildlife research and management, including the collection and analysis of biological data to determine the environmental effects of present and potential use of land and water areas.</td>
<td>Potential</td>
<td></td>
</tr>
<tr>
<td>Hydroelectric Production Managers</td>
<td>Manage operations at hydroelectric power generation facilities. Maintain and monitor hydroelectric plant equipment for efficient and safe plant operations.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial Ecologists</td>
<td>Study or investigate industrial production and natural ecosystems to achieve high production, sustainable resources, and environmental safety or protection. May apply principles and activities of natural ecosystems to develop models for industrial systems.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Industrial Engineering Technologists</td>
<td>Apply engineering theory and technical skills to support industrial engineering activities such as quality control, inventory control and material flow methods. May conduct statistical studies and analyze production costs.</td>
<td>Potential</td>
<td></td>
</tr>
<tr>
<td>Methane Capturing System Engineers/Installers/Project Managers</td>
<td>Design gas recovery systems and oversee installation and development process, including recovery modeling, permitting, specifications preparation and project oversight. Develop client relationships and arrange for sales of energy.</td>
<td>Potential</td>
<td></td>
</tr>
</tbody>
</table>

Green Increased Demand Occupations

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Green New and Emerging Occupations

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</tr>
<tr>
<td>Potential</td>
<td>Methane/Landfill Gas Collection System Operators</td>
</tr>
<tr>
<td>Potential</td>
<td>Methane/Landfill Gas Generation System Technicians</td>
</tr>
<tr>
<td>Yes</td>
<td>Precision Agriculture Technicians</td>
</tr>
<tr>
<td>Yes</td>
<td>Recycling and Reclamation Workers</td>
</tr>
<tr>
<td>Yes</td>
<td>Recycling Coordinators</td>
</tr>
<tr>
<td>Title</td>
<td>Description</td>
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<td>--------------------------------------------</td>
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</tr>
<tr>
<td>Regulatory Affairs Managers</td>
<td>Plan, direct, or coordinate production activities of an organization to ensure compliance with regulations and standard operating procedures.</td>
</tr>
<tr>
<td>Regulatory Affairs Specialists</td>
<td>Coordinate and document internal regulatory processes, such as internal audits, inspections, license renewals or registrations. May compile and prepare materials for submission to regulatory agencies.</td>
</tr>
<tr>
<td>Remote Sensing Scientists and Technologists</td>
<td>Apply remote sensing principles and methods to analyze data and solve problems in areas such as natural resource management, urban planning, and homeland security. May develop new analytical techniques and sensor systems or develop new applications for existing systems.</td>
</tr>
<tr>
<td>Remote Sensing Technicians</td>
<td>Apply remote sensing technologies to assist scientists in areas such as natural resources, urban planning, and homeland security. May prepare flight plans and sensor configurations for flight trips.</td>
</tr>
<tr>
<td>Solar Energy Installation Managers</td>
<td>Direct work crews installing residential or commercial solar photovoltaic or thermal systems.</td>
</tr>
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<td>Title</td>
<td>Description</td>
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<td>--------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Solar Energy Systems Engineers</td>
<td>Perform site-specific engineering analysis or evaluation of energy efficiency and solar projects involving residential, commercial, or industrial customers. Design solar domestic hot water and space heating systems for new and existing structures, applying knowledge of structural energy requirements, local climates, solar technology, and thermodynamics.</td>
</tr>
<tr>
<td>Solar Photovoltaic Installers</td>
<td>Assemble, install, or maintain solar photovoltaic (PV) systems on roofs or other structures in compliance with site assessment and schematics. May include measuring, cutting, assembling, and bolting structural framing and solar modules. May perform minor electrical work such as current checks.</td>
</tr>
<tr>
<td>Solar Power Plant Technicians</td>
<td>Monitor and repair the instrumentation, controls, and electrical systems in a utility-scale solar power generating facility.</td>
</tr>
<tr>
<td>Solar Sales Representatives and Assessors</td>
<td>Contact new or existing customers to determine their solar equipment needs, suggest systems or equipment, or estimate costs.</td>
</tr>
<tr>
<td>Solar Thermal Installers and Technicians</td>
<td>Install or repair solar energy systems designed to collect, store, and circulate solar-heated water for residential, commercial or industrial use.</td>
</tr>
<tr>
<td>Title</td>
<td>Description</td>
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</tr>
<tr>
<td>Solar Thermoelectric Plant/Concentrating Thermal Power (CSP) Plant Operators</td>
<td>Direct the operations of a commercial solar-generated power production plant.</td>
</tr>
<tr>
<td>Sustainability Specialists</td>
<td>Address organizational sustainability issues, such as waste stream management, green building practices, and green procurement plans.</td>
</tr>
<tr>
<td>Sustainable Design Specialists</td>
<td>Design from the outset for recycling, reuse or remanufacturing.</td>
</tr>
<tr>
<td>Water Resource Specialists</td>
<td>Design or implement programs and strategies related to water resource issues such as supply, quality, and regulatory compliance issues.</td>
</tr>
<tr>
<td>Water/Wastewater Engineers</td>
<td>Design or oversee projects involving provision of fresh water, disposal of wastewater and sewage, or prevention of flood-related damage. Prepare environmental documentation for water resources, regulatory program compliance, data management and analysis, and field work. Perform hydraulic modeling and pipeline design.</td>
</tr>
<tr>
<td>Weatherization Installers and Technicians</td>
<td>Perform a variety of activities to weatherize homes and make them more energy efficient. Duties include repairing windows, insulating ducts, and performing heating, ventilating, and air-conditioning (HVAC) work. May perform energy audits and advise clients on energy conservation measures.</td>
</tr>
<tr>
<td>Potential</td>
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</tr>
<tr>
<td>Title</td>
<td>Description</td>
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</tr>
<tr>
<td><strong>Potential</strong></td>
<td>Wind Energy Engineers</td>
</tr>
<tr>
<td>Wind Energy Operations</td>
<td>Managers</td>
</tr>
<tr>
<td>Wind Energy Project Managers</td>
<td>Lead or manage the development and evaluation of potential wind energy business opportunities, including environmental studies, permitting, and proposals. May also manage construction of projects.</td>
</tr>
<tr>
<td>Wind Turbine Service</td>
<td>Technicians</td>
</tr>
</tbody>
</table>
# Career Opportunities – Environmental Science

Education Range: Requires an A.S. degree to Master’s level to obtain certain positions.

<table>
<thead>
<tr>
<th>Specialization</th>
<th>Potential Titles</th>
<th>Potential Employers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Biology Education</strong></td>
<td>Teacher</td>
<td>Audubon of Florida*5</td>
</tr>
<tr>
<td></td>
<td>Ed Program Coordinator</td>
<td>Environmental Camps**25</td>
</tr>
<tr>
<td></td>
<td>Environmental Education Specialist</td>
<td>Greenpeace*5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Loggerhead Marine Life Center*38</td>
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<tr>
<td></td>
<td></td>
<td>Ocean Conservancy*36</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Private Elem., Middle, And High Schools**</td>
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<tr>
<td></td>
<td></td>
<td>World Wildlife Fund (WWF)*74</td>
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<tr>
<td></td>
<td></td>
<td>ERM (Environmental Resources Management)*36</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Palm Beach County Parks and Recreation*48</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Public and Private Elem., Middle, and High Schools**52</td>
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<tr>
<td><strong>Computer Information Systems</strong></td>
<td>GIS Specialist</td>
<td>Environmental Services, Inc. 17</td>
</tr>
<tr>
<td></td>
<td>Land Management Specialist</td>
<td>ESRl*19</td>
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<tr>
<td></td>
<td>Urban Planner</td>
<td>Georgia-Pacific*31</td>
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<td></td>
<td></td>
<td>Geoweb*2</td>
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<tr>
<td></td>
<td></td>
<td>International Paper*37</td>
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<td></td>
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<td>Metrostudy*42</td>
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<td></td>
<td></td>
<td>Photo Science*50</td>
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<td></td>
<td></td>
<td>Woolpert, Inc.*73</td>
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<td></td>
<td></td>
<td>Environmental Data Resources, Inc.*14</td>
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<tr>
<td></td>
<td></td>
<td>FL Dept. of Environmental Protection*21</td>
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<tr>
<td></td>
<td></td>
<td>FL Division of Forestry*23</td>
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<tr>
<td></td>
<td></td>
<td>Loxahatchee River District*39</td>
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<td></td>
<td></td>
<td>US National Park Service*68</td>
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<td></td>
<td></td>
<td>USDA Forest Service*69</td>
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<tr>
<td></td>
<td></td>
<td>S. FL Water Management Districts*58</td>
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<tr>
<td><strong>Ecotourism</strong></td>
<td>Ecotourism Guide</td>
<td>County Chambers of Commerce*9</td>
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<tr>
<td></td>
<td>Environmental Planner</td>
<td>Crew Land and Water Trust*10</td>
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<tr>
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<td>Recreation Planner</td>
<td>Grassy Waters Preserve*33</td>
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<tr>
<td></td>
<td>Recreational Consultant</td>
<td>Guide Services</td>
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<tr>
<td></td>
<td></td>
<td>Recreation / Tourism Planning Firms</td>
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<tr>
<td></td>
<td></td>
<td>County / Municipal Parks Depts*48</td>
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<tr>
<td></td>
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<td>FL Dept. of Environmental Protection*21</td>
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<tr>
<td></td>
<td></td>
<td>USDA Forest Service*69</td>
</tr>
<tr>
<td><strong>Environmental Education</strong></td>
<td>Camp Counselor</td>
<td>Ann Norton Sculpture Gardens*2</td>
</tr>
<tr>
<td></td>
<td>Environmental Educator</td>
<td>Arthur R. Marshall Foundation*4</td>
</tr>
<tr>
<td></td>
<td>Extension Agent</td>
<td>Audubon of Florida*5</td>
</tr>
<tr>
<td></td>
<td>Public Information Officer</td>
<td>Grassy Waters Preserve*33</td>
</tr>
<tr>
<td></td>
<td>Public Relations Director</td>
<td>Greenpeace*35</td>
</tr>
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<td>Marine Resources Council*42</td>
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<td></td>
<td></td>
<td>Ocean Conservancy*46</td>
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<td></td>
<td></td>
<td>Perry Institute for Marine Science*49</td>
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<td></td>
<td></td>
<td>Political Action Committees*51</td>
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<tr>
<td></td>
<td></td>
<td>Public Interest Groups*53</td>
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<tr>
<td></td>
<td></td>
<td>Seasonal Educational Camps*56</td>
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<tr>
<td></td>
<td></td>
<td>Sierra Club Florida*57</td>
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<tr>
<td></td>
<td></td>
<td>The Nature Conservancy*63</td>
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<td></td>
<td>FL Cooperative Extension Service*20</td>
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<td></td>
<td></td>
<td>FL Fish and Wildlife Conservation Commission*26</td>
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<td></td>
<td></td>
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Environmental Attorney  
Regulatory Inspector  
Environmental Safety Specialist | Law Firms  
Consulting Firms  
Political Action Committees  
Audubon FL  
Sierra Club FL | US Fish and Wildlife Service  
FL Dept. of Transportation  
FL Dept. of Environmental Protection  
Water Management Districts  
FL Fish and Wildlife Conservation Commission |
| Forest Resource Management | Conservation Lands Mgmt.  
Conservation Specialist  
Environmental Analyst  
Environmental Planner  
Environmental Scientist  
Extension Agent  
Forest Investment Analyst  
Forester  
GIS Specialist  
Habitat Manager  
Land Acquisition Specialist  
Reforestation Specialist  
Silviculture Coordinator | Cherokee Enterprises  
Environmental Services, Inc.  
Environmental Waste Services Group  
Georgia-Pacific  
International Paper  
Natural Resource Planning Services  
SWS First Responses  
The Nature Conservancy | County / Municipal Permitting Office  
FL Cooperative Extension Service  
FL Division of Forestry  
FL Fish / Wildlife Cons Commission  
Loxahatchee River District  
US Dept. of the Interior  
US Fish and Wildlife Service  
US Geologic Survey  
USDA Forest Service  
USDA NRCS  
Water Management Districts |
| Forest Science/Urban Forestry | Agroforester  
Arborist  
Ecologist  
Environmental Analyst  
Environmental Planner  
Environmental Specialist  
Extension Agent  
Forest Geneticist  
Forest Health Specialist  
GIS Specialist  
Land Acquisition Specialist  
Silvicultural Researcher  
Urban Forester  
Urban Planner | Ann Norton Sculpture Gardens  
Clay Electric Cooperative  
Environmental Services Inc.  
FL Power and Light  
Florida Native Plant Society  
Gainesville Regional Utilities  
Natural Resource Planning Services  
Rayonier  
Sierra Club Florida  
Tampa Electric Cooperative (TECO)  
The Forestry Company  
The Nature Conservancy  
The Forestry Company | The Nature Conservancy  
The Forestry Company  
Technical Research Services  
USDA Forest Service  
USDA NRCS  |
| Landscape Ecology       | Conservation Lands Manager  
Cooperative Land Manager  
Environmental Scientist  
Land Acquisition Specialist  
Regional Ecologist  
Watershed Manager | Crew Land and Water Trust  
Greenpeace  
Sierra Club Florida  
The Nature Conservancy  | USDA Forest Service  
US Fish and Wildlife Service  
US National Park Service  
water management districts  
FL Dept. of Environmental Protection  
ERM (Environmental Resources Management)  
FL Fish and Wildlife Conservation Commission |

**Private**  
**Government**
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<tr>
<td>Vegetation Control</td>
<td>Applicator</td>
<td>Aquatic Vegetation Control, Inc., Pine Jog</td>
<td>FL Dept. of Environmental Protection, FL Fish and Wildlife Conservation Commission, US Fish and Wildlife Service</td>
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<td>Crew Supervisor</td>
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<td>Volunteer Programs, Internships</td>
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<td>AmeriCorps, Student Conservation Association</td>
<td>AmeriCorps, Student Conservation Association</td>
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<td></td>
<td>Recycled Materials Specialist</td>
<td>Enviro. Health &amp; Safety Tech, Haz Mat specialist</td>
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*nonprofit organizations
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<td><a href="http://www.avcaquatic.com/">http://www.avcaquatic.com/</a></td>
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<td>7</td>
<td>Clay Electric Cooperative</td>
<td><a href="http://www.clayelectric.com">http://www.clayelectric.com</a></td>
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<tr>
<td>8</td>
<td>County / Municipal Permitting Offices</td>
<td><a href="http://www.co.palm-beach.fl.us/pzb">http://www.co.palm-beach.fl.us/pzb</a></td>
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<td>9</td>
<td>County Chambers of Commerce</td>
<td><a href="http://www.2chambers.com/florida2.htm">http://www.2chambers.com/florida2.htm</a></td>
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<td>10</td>
<td>Crew Land and Water Trust*</td>
<td><a href="http://www.crewtrust.org/">http://www.crewtrust.org/</a></td>
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<td>12</td>
<td>Enviro-Drill, Inc.</td>
<td><a href="http://www.envirodrillinc.com/home">http://www.envirodrillinc.com/home</a></td>
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<td>14</td>
<td>Environmental Data Resources, Inc.</td>
<td><a href="http://www.edrnet.com/">http://www.edrnet.com/</a></td>
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<tr>
<td>15</td>
<td>Environmental Protection Agency (EPA)</td>
<td><a href="http://www.epa.gov/">http://www.epa.gov/</a></td>
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<td>16</td>
<td>Environmental Resources Management</td>
<td><a href="http://www.co.palm-beach.fl.us/erm">http://www.co.palm-beach.fl.us/erm</a></td>
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<td>17</td>
<td>Environmental Services, Inc.</td>
<td><a href="http://www.hydrosphere.net/">http://www.hydrosphere.net/</a></td>
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<td>20</td>
<td>FL Cooperative Extension Service</td>
<td><a href="http://solutionsforyourlife.ufl.edu/">http://solutionsforyourlife.ufl.edu/</a></td>
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<td>21</td>
<td>FL Dept. of Environmental Protection</td>
<td><a href="http://www.dep.state.fl.us/">http://www.dep.state.fl.us/</a></td>
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<td>22</td>
<td>FL Dept. of Transportation</td>
<td><a href="http://www.dot.state.fl.us/">http://www.dot.state.fl.us/</a></td>
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<td>FL Division of Forestry</td>
<td><a href="http://www.fl-dof.com">http://www.fl-dof.com</a></td>
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<td>Georgia-Pacific</td>
<td>[<a href="http://www">http://www</a> gp.com](<a href="http://www">http://www</a> gp.com)</td>
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<td>Grassy Waters Preserve*</td>
<td><a href="http://wpb.org/grassywaters/">http://wpb.org/grassywaters/</a></td>
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<td>35</td>
<td>Greenpeace*</td>
<td><a href="http://www.greenpeace.org/usa/">http://www.greenpeace.org/usa/</a></td>
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<td>36</td>
<td>Groundwater &amp; Environmental Services, Inc.</td>
<td><a href="http://gesonline.com/about">http://gesonline.com/about</a></td>
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<td>38</td>
<td>Loggerhead Marine Life Center*</td>
<td><a href="http://www.marineife.org/">http://www.marineife.org/</a></td>
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<td>40</td>
<td>Management Districts</td>
<td><a href="http://www.dep.state.fl.us/secretary/watman/">http://www.dep.state.fl.us/secretary/watman/</a></td>
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<td>Ocean Conservancy*</td>
<td><a href="http://www.oceanconservancy.org/">http://www.oceanconservancy.org/</a></td>
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<td>48</td>
<td>Palm Beach County Parks and Recreation</td>
<td><a href="http://www.pbgegov.com/parks/">http://www.pbgegov.com/parks/</a></td>
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<td>Political Action Committees</td>
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<td>52</td>
<td>Private Elem., Middle, And High Schools</td>
<td><a href="http://www.fldoe.org/">http://www.fldoe.org/</a></td>
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<td></td>
<td>Public Interest Groups</td>
<td><a href="http://www.floridapirg.org/about-us">http://www.floridapirg.org/about-us</a></td>
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<td><a href="http://www.rayonier.com/About-Us.aspx">http://www.rayonier.com/About-Us.aspx</a></td>
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<td>Seasonal Educational Camps</td>
<td><a href="http://www.mysummercamps.com/">http://www.mysummercamps.com/</a></td>
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<tr>
<td>57</td>
<td>Sierra Club Florida*</td>
<td><a href="http://florida.sierraclub.org/">http://florida.sierraclub.org/</a></td>
</tr>
<tr>
<td>58</td>
<td>South Florida Water Management District</td>
<td><a href="http://www.sfwmd.gov">http://www.sfwmd.gov</a></td>
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<tr>
<td>59</td>
<td>SWS First Response</td>
<td><a href="http://swsfirstresponse.com/index.html">http://swsfirstresponse.com/index.html</a></td>
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<tr>
<td>60</td>
<td>Tampa Electric Cooperative (TECO)</td>
<td><a href="http://www.tampaelectric.com/">http://www.tampaelectric.com/</a></td>
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<tr>
<td>61</td>
<td>Test America, Inc.</td>
<td><a href="http://testamericainc.com/">http://testamericainc.com/</a></td>
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<td>62</td>
<td>The Forestry Company</td>
<td><a href="http://www.theforestrycompany.com">http://www.theforestrycompany.com</a></td>
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<td>63</td>
<td>The Nature Conservancy*</td>
<td><a href="http://www.nature.org/">http://www.nature.org/</a></td>
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<td>69</td>
<td>USDA Forest Service</td>
<td><a href="http://www.fs.fed.us">http://www.fs.fed.us</a></td>
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<td>USDA NRCS</td>
<td><a href="http://www.nrcs.usda.gov">http://www.nrcs.usda.gov</a></td>
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<td>72</td>
<td>World Petroleum Corporation</td>
<td><a href="http://wpcorp.net/">http://wpcorp.net/</a></td>
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<td>73</td>
<td>Woolpert, Inc.</td>
<td><a href="http://www.woolpert.com">http://www.woolpert.com</a></td>
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<tr>
<td>74</td>
<td>World Wildlife Fund (WWF)</td>
<td><a href="http://www.worldwildlife.org/">http://www.worldwildlife.org/</a></td>
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</table>
Contact Information for Selected Employers

Ardaman & Associates
West Palm Beach, FL    (561) 687-8200
Port St. Lucie, FL    (772) 878-0072
Miami    (305) 825-2683
Website: http://www.ardaman.com/

Cherokee Enterprises, INC.
Miami Lakes, Fl    (305) 828-3353
Fort Lauderdale, FL    (954) 315-0158
Website: http://www.cherokeecorp.com/

Eagle-SWS
Corporate    (850) 234.8428
Ft. Myers, Fl    (239) 574-4403
Ft. Lauderdale, Fl    (954) 957-7271
Orlando, Fl    (407) 854-5733
Website: http://eaglesws.com/

ECO Advisors, LLC
Palm Beach Gardens, Fl    (800) 627-1806
Miami, Fl    (305) 279-5255
Website: http://ecoadvisors.net/index.html

Environmental Resources Management
West Palm Beach, FL    (561)233-2400
Website: http://www.co.palm-beach.fl.us/erm/

EnviroWaste Services Group
Miami, Fl    (786) 478-6029
Website: http://envirowasteservicesgroup.com/

Florida Department of Environmental Protection (DEP)
Headquarters    (850) 245-2511
Website: http://www.dep.state.fl.us/careers/

Handex Consulting & Remediation – Southeast, LLC
Delray Beach, Fl    (561) 243-9551
Website: http://www.hcr-llc.com/
HDR, Inc.
West Palm Beach, FL (561) 209-6600
Website: https://www.hdrinc.com

HSA Engineers and Scientists
Corporate Office (Tampa) (800) 200-5550
West Palm Beach (Wellington), FL (561) 688-9008
Orlando (321) 397-0710
Fort Myers (239) 936-0789
Pensacola (850) 432-6502
Website: http://www.hsa-env.com

HydroQual, Inc.
West Palm Beach, FL (561) 651-7287
Website: http://www.hydroqual.com

Loxahatchee River District
Jupiter, Fl (561) 747-5700
Website: http://loxahatcheeriver.org/

MACTEC Engineering
Miami (Miami Lakes), Fl (877) 762-2832
Website: http://www.mactec.com

MGM Innova - UNITED STATES
Miami, FL (800) 6000-MGM (786) 975-2188
Website: http://www.mgminnova.com/

Morse Zehnter Associates (MZA)
West Palm Beach, Fl (561) 712-4777
Website: http://mzaconsulting.com/

Palm Beach Zoo
West Palm Beach, Fl (561) 547-9453
Website: http://www.palmbeachzoo.org/
Photo Science
Orlando, Fl (407) 521-2262
St. Petersburg, Fl (727) 576-9500
Website: http://photoscience.com/

Pine Jog
West Palm Beach, Fl Email: kaubry@fau.edu
Website: http://www.pinejog.fau.edu/

Solid Waste Authority of Palm Beach County
West Palm Beach, FL (561) 640-4000
Website: http://www.swa.org/default.htm

U.S. Army Corps of Engineers
Palm Beach Gardens, Fl (561) 472-3500
Website: http://www.saj.usace.army.mil/

U.S. Fish and Wildlife Service
Southeastern Region (404) 679-4000
Website: http://www.fws.gov/humancapital/job_seekers.html

Water Management Districts of Florida
Northwest Florida WMD (850) 539-5999
Website: http://www.nwfwmd.state.fl.us/
Suwannee River WMD (386) 362-1001
Website: http://www.srwmd.state.fl.us/
St. Johns River WMD (386) 329-4500
Website: http://sjr.state.fl.us/
Southwest Florida WMD (352) 796-7211
Website: http://www.swfwmd.state.fl.us/
South Florida WMD (561) 686-8800
Website: http://www.sfwmd.gov/

Woolpert
Miami, FL (305) 418-9370
Orlando, FL (407) 381-2192
Website: http://www.woolpert.com/
Firms That Contract With Government Agencies

Ash Engineering, Inc. 4902 Eisenhower Boulevard – Suite 380
Tampa, FL 33634
(813) 290-8899
(813) 290-8891
http://ashengineering.com

Barnes, Ferland, and Associates, Inc. 3655 Maguire Boulevard, Suite 150
Orlando FL, 32803
(407) 896-8608
(407) 896-1822
http://bfaenvironmental.com/

Battelle 1400 Centrepark Blvd., Suite 1005
West Palm Beach , FL 33401
(561) 656-6302
(561) 683-0126
http://battelle.org/

BEM Systems, Inc. 500 Australian Avenue South
Suite 616
West Palm Beach, FL 33401
(561)615.2210
(561)615.2490
http://www.bemsys.com/

Biological Research Associates 3910 U.S. Highway 301 - Suite 180
Tampa, FL 33619
(813) 664-4500
(813) 664-0440
http://www.entrix.com/

EAA Research and Management, Inc. 12773 W Forest Hill Boulevard 105a
West Palm Beach, FL 33414
(561) 792-7621
(561) 753-0061

Ecology and Environment, Inc. 1665 Palm Beach Lakes Blvd. - Suite 500
West Palm Beach , FL 33401
Engineering and Applied Science, Inc.  
13087 Telecom Parkway North  
Tampa, Florida 33637  
(813) 899-0707  
(813) 899-0366  
http://www.eastampa.com/

Environmental Consulting and Technology, Inc.  
8651 Commodity Circle  
Orlando, FL 32819  
(407) 903-0005  
(407) 903-0030  
http://ectinc.com/

Environmental Quality, Inc.  
212 US Highway 1, Suite 18  
Tequesta, FL 33469  
(561) 575-6778  
(561) 575-9996  
http://eq-inc.com/

Environmental Research and Design, Inc.  
3419 Trentwood Boulevard - Suite 102  
Orlando, FL 32812  
(407) 855-9465  
(407)-826-0419  
http://erd.org/

Geoanalytics, Inc.  
330 Clematis Street - Suite 214  
West Palm Beach, FL 33401-4602  
(561) 655-1216  
(561) 655-0681  
http://www.geoanalytics.com/

Hi-Tech Environmental Consultants, Inc.  
1541 Sunset Drive - Suite 204  
Coral Gables, FL 33143  
(305) 665-0883  
(305) 665-4285

Hydrogage, Inc.  
2726 Lithia Pinecrest Road  
Valrico, FL 33594
Hydrosphere Research
Environmental Services, Inc.
1901 N.W. 67th Place - Suite D
Gainesville, FL 32653
(352) 375-9004
(352) 375-0604
http://www.hydrosphere.net/

Peer Consultants, P.C.
14411 Commerce Way -Suite 230
Miami Lakes, FL 33014
(305) 819-1933
(305) 819-8174
http://peercpc.com

PHS Engineering Corp.
4100 N.E. 2nd Avenue - Suite 310
Miami, FL 33137
(305) 573-2240
(305) 573-2276
http://www.phs-engineering.com/

Professional Service Industries, Inc.
2000 Avenue P-Suite 16
Riviera Beach FL 33404
(561) 844-2404
(800) 548-7901
http://www.psiusa.com/

Qore Property Sciences, Inc.
5840 Corporate Way - Suite 114
West Palm Beach, FL 33407
(561) 615-8833
(561) 615-6678

Sutron Corporation
2253 Vista Parkway - Suite 14
West Palm Beach, Florida 33411
(561) 697-8151
(561) 333-2760
http://www.sutron.com/

Taylor Engineering, Inc.
1675 Palm Beach Lakes Blvd - Suite 210
West Palm Beach, FL 33401
(561) 640-7310
(561) 683-4551
http://taylorengeering.com/
Career Resources on the Web

- **Occupational Outlook Handbook**
- **Ferguson’s Career Guidance Center:** Log on to this site using the User Name: PBSC and the Password: PBSC This web site is an outstanding resource for exploring occupations and the industries employing various occupations. Licensed by the College for Palm Beach State College student use, this is a must see web site!
- **Vocational Biographies:** Log on to this site using the name: pbsc and the pass code: pbsc. This web site profiles real people in hundreds of occupations and describes a typical workday. Information also includes working conditions, education needed, salaries, related occupations, what to do now to prepare and lifestyle implications.
- **The Choices Planner:**
  - From Career Websites click on The Choices Planner.
  - Choose Jump in under Adults & Postsecondary.
  - Click on the words Choices Planner in the middle of the screen.
  - Select the Work tab at the top menu.
  - Scroll down to ‘FIND CAREERS BY…’ and click on Alphabetical List. Select a career and review the occupation.
  - To see Outlook and Earnings click on the left tab “Money & Outlook.”
- **Chronicle Career Library:** Information on over 2000 occupational titles: Log on to this site using the User Name: PBSC and the Password: PBSC
- **O*Net Online:** Research occupations in the O*NET database by keyword, O*NET code or by Job Family. Obtain a summary or an in-depth report about the occupation selected. Résumé samples, interview questions, and many career related articles.
- **Employ Florida:** Under the “Resources” heading, click on “Labor Market Information”. On the next page, click on “Occupational Profile” to select a specific occupation and learn more about the nature of the work, educational opportunities, wages, and employers. You may search for information by any county in the State of Florida.
- **WETFEET:** This site provides a wealth of information on various career fields, industries, companies, salaries and internships.
- **Jobstar Salary Information:** Over 22 salary surveys.
Opportunities for Internships, Volunteering, and Field Experience

The following Websites offer various opportunities, which may lead to future employment:

http://www.dep.state.fl.us/southeast/admin/internship.htm
http://www.artmarshall.org/
http://www.thesca.org/
http://www.mote.org/index.php?submenu=Education_Interns&src=gendocs&ref=College%20Internship%20Opportunities&category=Education
http://www.seaworld.org/career-resources/internship/index.htm
http://www.sfwmd.gov/portal/page/portal/xweb%20protecting%20and%20restoring/volunteering
http://pmcb.ifas.ufl.edu/internships/index.shtml
http://www.whitney.ufl.edu/
http://www.science.fau.edu/biology/envirosci/Internships.html
http://marinelife.org/
http://www.gumbolimbo.org/
http://www.nature.org/
http://www.floridastateparks.org/
Job Boards

The Wildlife Society
http://careers.wildlife.org/c/search_results.cfm?site_id=8764

Environmental Career Opportunities, Inc.
www.ecojobs.com

Environmental Jobs .com
http://environmentaljobs.com/environmental-engineering-jobs.htm

Go Jobs

Eco.org
http://www.eco.org/cm/candidate/search_jobs

Association of Zoo and Aquariums
http://www.aza.org/JobListings/

Ornithological Societies of North America
http://www.osnabirds.org/

Society for Conservation Biology
http://www.conbio.org/professional-development/scb-job-board

Society for Ecological Restoration International
http://www.jobtarget.com/home/index.cfm?site_id=578

Palm Beach State College Career Center
http://www.palmbeachstate.edu/career/student-login/#IncludeQStringParams#

State Government Job Boards
https://peoplefirst.myflorida.com/peoplefirst%28bD1lbiZjPTIzMA==%29/logon.htm
https://www.employflorida.com/

Federal Job Board
http://www.usajobs.gov/

Texas A&M Job Board
http://www.tamu.edu/about/employment.html
For those interested in GIS JOBS, GISP CERTIFICATION, AND GEOSPATIAL CAREERS please visit http://www.sonoma.edu/geoglobal/ciga/files/GIS-jobs_ebook.pdf
New Resources for GIS Job Seekers
By Adena Schutzberg, Directions Magazine (Originally published September 2012)

If you took a break from your job search over the summer, September might be the right time to jump back into the fray. Here are some new resources that can help GIS job seekers in their quest.

- The new eBook, titled “Careers in GIS: an Unfiltered Guide to Finding a GIS Job,” was published in April and offers content from the blog of the same name complemented by new material. The $4.99 price tag (Kindle or Kindle software only) makes it quite accessible for job seekers at any point in their career. Author Todd Schuble also offers career advice at @careersingis.
- The Association of American Geographers (AAG) offers a series of books about geography careers in science, technology, engineering and mathematics (STEM) and academia.

Practicing Geography: Careers for Enhancing Society and the Environment is a comprehensive new resource from AAG and Pearson designed to prepare students for STEM careers in business, government, and non-profit organizations. Funded by the National Science Foundation, this project brings together members of the geography community to discuss workforce needs, expectations and core competencies in professional geography, profiling the professional applications of, and opportunities in, geography today. Practicing Geography presents dozens of geographers applying their knowledge, skills and perspectives in communities, businesses, government agencies and nonprofit organizations, both domestically and internationally.

- The Bureau of Labor Statistics offers the Occupational Outlook Handbook which includes a page on geographers. The outlook between 2010 and 2020 is good; job growth is expected to be 35%.
- GIS Lounge did a spatial analysis of jobs in the U.S. earlier in the year and while patterns certainly change, I suspect the hotspots will hold for a few more months.
- Justin Holman of TerraSeer offered advice on How to Launch a GIS Career at the Geographical Perspectives blog in February. He followed up with a related post:
  - Spatial Career Guide for Undergrads Currently Studying GIS – Curriculum Suggestions for 6 Geospatial Career Paths. I also recommend the four-part series that begins with Geospatial Career Q&A with Undergraduate and includes:
    - Geospatial Career Q&A with Undergraduate Part 2 – Summer Suggestions
    - Geospatial Career Q&A with Undergraduate Part 3 – Hitting the Job Market
    - Geospatial Career Q&A with Undergraduate Part 4 – Long Term Career Planning
- GIS Stackexchange has some valuable answers on the topic of interview questions for the GIS Analyst position. Searching other terms such as “interview,” “job” and “position” turns up some other valuable answers for job seekers.
Esri hosts a number of blog posts on careers and related topics and hosts a #esrijobchat (a Twitter chat) twice a month on Thursdays at 1 p.m. Pacific. While there is a focus on positions and information related to Esri, much of it is applicable to other employers.

My colleague, Joe Francica, and I have written a few articles in the last year that may help job seekers.

- Five Ways to Make Your GIS Cover Letter and Resume Stand Out
- Should All GIS Users Learn to Code?
- The Top Five Skills Needed to Have a Successful GIS Career
- Ignite Education: Why I Tossed Your Admission Application

**Geospatial Occupations Q&A – Part One**

*By Directions Staff (Originally published October 2010)*

On September 30, Penn State University and Directions Media presented a webinar titled The New Geospatial Jobs and How to be Ready for Them. A total of 940 people registered to attend the webinar, 506 attended live, and 181 people since have downloaded and viewed the archived version. Needless to say, far more questions were asked during the webinar than could be answered. The three speakers, Richard Serby of GeoSearch, and David DiBiase and Wes Stroh, both from Penn State University, responded in detail to all the questions that weren't addressed. Those responses are provided in this two-part article. Part 1 addresses the Geospatial Technology Competency Model, education and certification questions. Part 2, which will appear next Wednesday, will address jobs and job titles.

**Certification**

**Q: Can you give us the link to the GIS Certification program?**

**WS:** The terms certificate and certification are often confused. Educational institutions offer certificates acknowledging success in a program of study, such as Penn State's post baccalaureate Certificate in GIS. Professional certifications are offered by a variety of professional organizations and designate experience and competency. GISP (GIS Professional) certification is offered by the GIS Certification Institute. Other professional certifications are offered by organizations such as American Society for Photogrammetry and Remote Sensing (ASPRS) or formal licensing for surveyors such as National Council of Examiners for Engineering and Surveying (NCEES).

**Education**

**Q: Do you feel like universities and community colleges are adequately training students for a future in the geospatial industry?**

**Rich Serby (RS):** Yes, I believe that when we view educational opportunities in total that colleges and universities are doing a good job preparing students. We are seeing more
community college and even high school programs coming on line that speak to the need for internship and entry-level basic skills. Add these to the number of online opportunities and it appears that colleges and universities are responding to the need.

Q: I see numerous programs online and at campus locations for master's degrees in geospatial studies. Why is it so difficult to find a bachelor degree program in geospatial studies?
WS: There are actually bachelor programs with coursework focusing in geospatial, though they tend to be part of or a track within a geography department. URISA has a useful list and the GeoTech Center mentioned during the webinar has resources for students. Online bachelor's programs are less common - demand to date has been focused on skills development and master's level work for continuing education, but that is likely to change as the industry grows.

Q: If I'm considering a certificate or advanced degree, how can I compare programs to determine which will best prepare me for acquiring a job?
WS: You should consider a number of elements, including your work experience to date and your future professional goals. It can be useful to consider the location where you hope to work when finished - programs are a great opportunity for networking with other professionals. Look carefully at the required coursework to determine what skills/knowledge you're going to solidify and what new skills/knowledge you'll take away. Also, consider the program electives - do they match up with your area of interest? Ask for course syllabi and find out what faculty member is teaching in the program. (Though tenured academics are at the forefront of GIS research, adjuncts who work in the field may have more applied knowledge or experience with specific software.)

Q: I am getting a BS in Geography with a minor in GIS. Would it be wise to continue and get a master's degree in GIS?
WS: Additional education is never a bad choice, but many MGIS programs (and professional programs in general) are designed as continuing education for individuals with grounding in the field. In most cases, your experience in a professional Master’s program will benefit from some prior work experience.

Jobs/hiring trends

Q: Are there "hot spots" in the country for geospatial jobs? Do you have any advice for getting U.S. Department of Labor or other data on the geospatial job outlook by metropolitan region?
Wes Stroh (WS): Washington, DC and Denver have historically been "hot spots." As discussed on the call, there's been no formal research into this topic, but you can expect more as data is collected on the new occupations.
Q: What would you estimate the percentage of employees that work only part time as "Geospatial Technician/Analyst"? In other words as only a part of their job? What's the outlook for freelance or part-time employment in the GIS industry?
Richard Serby (RS): I may not be the best person to answer this because the vast majority of positions we deal with are either full-time/permanent or contract staffing for specific periods of time. The need for part-time employees is specific to an employer, project deadlines, and seats available. Be ready to work second shift or from a home office.

Q: How are the job opportunities distributed between businesses and local governments? Is GIS job growth more in the private or public sector? Have local governments been laying off a lot of GIS positions?
RS: Job growth in the commercial sector is often a function of the needs of the public sector. Public sector projects are often completed by private companies. We are hearing more 'insourcing' talk coming from the federal level. We feel that this is a negative trend and that our public agencies should always be pressured to outsource their work to the commercial sector. Once a function becomes institutionalized within government it is very difficult to reduce or eliminate. The private sector is better able to change when the times change.

Q: Which "verticals" in the private sector are doing the most hiring?
RS: I can only speak from our most recent 2010 activity but we see an increase in engineering design activity from sales, project management, GIS software development, applications development such as environmental, and production GIS technicians and specialists.

Q: Most of the jobs I've seen require 3-5 years of GIS work experience to apply. How do I get those first 3-5 years?
David DiBiase (DD): Direct contact with potential employers and internship opportunities.

Q: I am also a GIS intern, I have interned (paid) for the US Army Corps of Engineers and FEMA Region III in Philadelphia. I am still having a difficult time finding GIS positions. Can I use these as 'experience' time in because they were after college at the BA level.
WS: Absolutely. As Rich and David pointed out, networking is the ideal way to maximize your job prospects. Stay in touch with intern supervisors, ask them about openings, and ask them to put you in touch with their contacts. And by all means, highlight skills which you've developed as an intern.

Q: I just finished a community college GIS certificate. I've been an IT support technician for the past 15 years and am looking to jump into the GIS discipline. What is the outlook for someone without a Bachelor's degree (yet)?
RS: The geospatial world is still very much a skills-based industry at the entry-senior technical levels. If you acquire skills that progress from a 'GIS user' to a 'GIS specialist' to a 'GIS programmer/developer' you become increasingly important to your employer. It is important to continue your formal education beyond the associate's because there are still many great jobs where a bachelor's degree is required to be considered for an interview.
Occupation titles/outlook/growth

Q: Does the Department of Labor have average salary information on the website?
WS: Yes, you’ll find salary information for each occupation. However, the many definitions are new and we can expect the data to be more accurate over time.

Q: What’s the best place for job posts?
RS: GeoSearch, of course!

Continuing Your Education

The Environmental Science Technology program does have some special agreements called articulation agreements with various public and private higher education institutions in the state of Florida that may allow for the transfer of some or all of your A.S. degree coursework. To learn more about these options contact Prof. Miles or visit the http://www.palmbeachstate.edu/programs/environmentalscience/

Use Facts.org for online educational opportunities and student advising at your fingertips.

Our Environmental Science and Technology AS degree courses from this program may transfer into Palm Beach State’s Bachelor of Applied Science program in Supervision and Management. For more information, see the web at http://www.palmbeachstate.edu/programs/bachelor/

University of Central Florida. The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions. Interdisciplinary Studies - Environmental Studies Track BS. An Environmental Engineering BSEnvE is also offered at the college.

Florida Gulf Coast University. With the Bachelor of Science in Environmental Studies, students gain a thorough grounding in methods, applications, and natural sciences, in addition to a core of courses in common to the field. Students may choose an emphasis, within fields including: human populations and their interactions with the environment; effectiveness of environmental analysis and protection institutions; and analysis and resolution of the pressing environmental issues faced by modern society. The Bachelor of Arts in Biology Students will gain an understanding of interactions between organisms and their environments (including especially biomedical and evolutionary perspectives). Ethical complexities of biological research are integrated throughout the curriculum. Pedagogically, emphasis is on lab-centered, hands-on learning rather than the traditional lecture format.
Indian River State College. Bachelor of Science in Biology (BS) Discoveries in Biology will transform the 21st Century. If you are interested in a fascinating career in the life sciences, a Bachelor of Science Degree in Biology will open the door to meaningful job opportunities and continued education. You will gain a firm foundation for a rewarding career in biotechnology, medicine, veterinary, pharmaceuticals, environmental science or research that improves health and saves lives.

Barry University. Offers Environmental Chemistry Specialization: Bachelor of Science (BS) in Chemistry. An environmental chemistry track augments the chemistry major. This track emphasizes chemistry in the study of environmental problems and includes relevant courses in biology, ethics, and social sciences. It prepares future graduates to become a part of the burgeoning environmental science field.

University of Florida. This school offers a 4-year plus 1 program, combining the bachelor’s degree in environmental science and the Master of Science in interdisciplinary ecology. The environmental science degree approaches complex environmental issues with reliable knowledge and interdisciplinary perspectives, and provides the full range of knowledge relevant to complex environmental problems. This includes biological and physical sciences, ethics, economics, policy and law. In addition, the college of Agricultural and Life Science offers a Biology major that allows students to develop a broad, integrative background in the biological sciences.

University of Florida in Ft. Lauderdale. Excellent careers await students with the proper academic preparation in the broad range of geographic information sciences. Students who graduate from the UF Geomatics Program are in high demand. Within 5 years, most Geomatics graduates own their own business or are a partner in a business. Starting salaries for graduates typically approach $50,000.

Florida Atlantic University. FAU offers many different Environmental Science Routes. The Bachelor of Arts in Biology degree will provide maximum flexibility for students pursuing study in interdisciplinary areas such as environmental science or secondary school teaching. The Department of Geosciences offers undergraduate degree programs leading to a Bachelor of Arts or a Bachelor of Science with a major in either Geography or Geology with an emphasis in Environmental Science. Additionally, a Master of Science degree track in environmental engineering under the civil engineering graduate degree program is available. This program provides a strong environmental component to the undergraduate curriculum. In the near future, the department plans to expand its graduate studies program by offering a Master of Science in environmental engineering and a Doctor of Philosophy (PhD) in infrastructure engineering. A Bachelor of Science degree in environmental engineering is also in the planning stages. http://www.cege.fau.edu/

Palm Beach Atlantic University offers you high-quality training in Biology, Chemistry, Physics, Oceanography, Earth Science, Mathematics and Computer Science. Our courses instill in you the values of intellect, Christian character and personal integrity. Degrees are available in the Biology field with a Concentration in Botany, Environmental Science, & Field Biology.

The South University Online Master of Business Administration – Sustainability is designed to prepare students for the practical application of sustainability concepts and practices in their business and professional careers. Graduates will be prepared for jobs such as Consultant, Departmental or sub-department Manager or individual contributor positions focused on responsibility for corporate social responsibility, sustainability or environmental concerns and social entrepreneurship. Click here, for more information about the South University Master of Business Administration – Sustainability.

University of Miami. The Department of Biology offers undergraduate programs for students interested in a natural science education that will prepare them for careers in biological research, medicine and other health-
related fields, teaching, environmental management. In addition, the Department of Biology trains students to understand and use the scientific method, and to engage in critical thinking and experimental design.

**Argosy University MBA Sustainable Management Concentration.** Students develop competencies in critical thinking, persuasive communication, systems thinking, change management, leadership, diversity and business ethics. The MBA program can enhance the student’s current or future career potential, and prepare the student for postgraduate work in business. Students take the following courses: Foundations of Sustainable Business; Change Management and the Sustainable Enterprise; Ethical and Economic Dimensions to Sustainable Business and Sustainable Venture Plan Seminar. Locations: Arizona; California; Colorado; Florida; Georgia; Hawaii; Illinois; Minnesota; Tennessee; Texas; Utah; Washington DC and Washington.

**Stetson University School of Business Administration and College of Law.** – The Institute for Biodiversity Law and Policy and Stetson’s School of Business Administration offer a concentration program for J.D./M.B.A. students in Eco-Asset Management, which provides a multidisciplinary foundation for students interested in business and the environment. In addition to writing requirements to earn the certificate, students must complete at least 12 hours of graduate electives covering the management, scientific and legal aspects of handling environmental resources. Students also must complete an internship with an environmental organization.

**University of South Florida College of Business Administration MBA Specialization in Building Sustainable Enterprises, Tampa, FL.** This track offers a concentration in the study of sustainable enterprise from the perspective of regulatory law, environmental and natural resource economics, marketing, finance, and organizational studies. The concentration is fundamental for anyone interested in taking a leadership role in developing high performance organizational systems.

**University of South Florida St. Petersburg MBA – Concentration in Corporate Social Responsibility, St. Petersburg.** The Corporate Social Responsibility concentration will develop a student’s understanding of ethical management, marketing and decision-making. Students will explore the ethical and behavioral issues faced by corporations as they manage organizational change and serve multiple stakeholders. Ethical social responsibility provides the foundation of this concentration. The program presents an economic analysis of business’ and government’s approaches toward environmental issues and their associated ethical, equity and efficiency implications.

The **Florida Institute of Technology** offers bachelors, masters, and doctoral degrees in Oceanography, Ocean Engineering, Environmental Science, Meteorology, Environmental Resource Management, Coastal Zone Management, and Earth Remote Sensing.

**NOVA Southern University.** The environmental science/studies major at the Farquhar College of Arts and Sciences involves the systematic study of the environment and man's place in it. Consequently, it is highly interdisciplinary—integrating chemistry, geology, biology, statistics, atmospheric sciences, engineering, and physics together with social sciences and humanities in a broad, holistic study of the world. The fundamental issue addressed by environmental science is how to continue making improvements in human welfare within the limits of the earth's natural resources.
Florida Colleges and Universities

Acupuncture and Massage College
Ai Miami International University of Art and Design
American Intercontinental University
Argosy University-Sarasota Campus
Argosy University-Tampa Campus
The Art Institute of Fort Lauderdale Inc
Atlantic Institute of Oriental Medicine
Audio Recording Technology Institute
Ave Maria University
The Baptist College of Florida
Beacon College
Bethune Cookman College
Carlos Albizu University-Miami Campus
Central Florida College
Chipola College
Christ College of Florida
City College
City College Branch Campus
Clearwater Christian College
College of Business and Technology
DeVry University-Florida
East West College of Natural Medicine
Eckerd College
Embry Riddle Aeronautical University-Daytona Beach
Embry Riddle Aeronautical University-Extended Campus
Everest University
Everglades University
Faith Theological Seminary And Christian College
Flagler College
Flagler College-Tallahassee
Florida Agricultural and Mechanical University
Florida Atlantic University
Florida Christian College Inc
Florida Coastal School of Law
Florida College
Florida College of Integrative Medicine
Florida Gulf Coast University
Florida Hospital College of Health Sciences
Florida Hospital School of Medical Technology
Herzing College
Hobe Sound Bible College
International Academy of Design and Technology
International College
ITT Technical Institute
Jacksonville University
Johnson & Wales University-Florida Campus
Jones College-Jacksonville
Keiser College-Ft Lauderdale
Key College
Le Cordon Bleu College of Culinary Arts-Miami
Lynn University
Miami Ad School
Miami Dade College
New College of Florida
New Covenant International University
Northwood University-Florida Education Center
Nova Southeastern University
Okaloosa-Walton College
Palm Beach Atlantic University-West Palm Beach
Reformation International College
Reformation International Theological Seminary
Remington College
Remington College-Tampa Campus
Ringling School of Art and Design
Rollins College
Saint John Vianney College Seminary
Saint Leo University
Saint Thomas University
Saint Vincent de Paul Regional Seminary
Schiller International University
South University-West Palm Beach
Southeastern University
St Petersburg College
St Petersburg Theological Seminary
Stetson University
Talmudic College of Florida
Trinity Baptist College
Trinity College of Florida
Florida Institute of Technology-Melbourne
Florida International University
Florida Memorial University
Florida Metropolitan University-Jacksonville
Florida Metropolitan University-Lakeland
Florida Metropolitan University-Melbourne
Florida Metropolitan University-North Orlando
Florida Metropolitan University-Orange Park
Florida Metropolitan University-Pinellas
Florida Metropolitan University-South Orlando
Florida Metropolitan University-Tampa
Florida Southern College
Florida State University
Full Sail Real World Education
Gooding Institute of Nurse Anesthesia
Gulf Coast College

Trinity International University
University of Central Florida
University of Florida
University of Miami
University of North Florida
University of Phoenix-Central Florida Campus
University of Phoenix-North Florida Campus
University of Phoenix-South Florida Campus
University of Phoenix-West Florida Campus
University of South Florida
The University of Tampa
The University of West Florida
Warner Southern College
Webber International University
Webster College
Yeshivah Gedolah Rabbinical College
We wish you the best in your future career!

Environmental Science Technology Program
Palm Beach State College