

THE CAREER CRUISER
A Career and Education Planning Guide

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The CAREER CRUISER and the TEACHER’S GUIDE may be viewed on-line at:
<http://www.fldoe.org/workforce/publicat.asp>.

Keys to Success

- Appearance – first impressions last a long time
- Attitude – a learned behavior, make it positive
- Friendliness – be generous, give smiles unconditionally
- Impressions – what’s left in the room after I leave
- Response-Ability – take action, exceed customer’s expectations
- Commitment – my pledge to service and teamwork
- Team thinking – my actions effect everyone in my organization
- Communication – active listening and positive responses
- Service – my personal commitment to make a difference
- Personal Excellence – I believe in my ability to make a difference

Cruise Into Your Future, Chart It Now!

Life is a journey filled with many twists and turns. While the journey can be exciting, it's a good idea to know where you are going so you can decide how to get there. That's what career development is all about. Getting the knowledge and skills you need to make more informed career decisions. Right now is an excellent time to develop skills that will help you manage your career throughout life. The following steps can get you started down a pathway for a lifetime of choices:

1. Who are you?
 - A. Learn about your interests, what you like and dislike.
 - B. Study your personality and how it fits into different work environments.
 - C. Your values can also help to determine where you work and how you want to work.
 - D. Don't forget skills; ones you develop throughout school and those you continue to develop past high school.
2. Where are you going?
 - A. Learn about the economy, the labor market, and the impact of technology on jobs.
 - B. Explore occupations and how they connect to your interests and abilities.
 - C. Learn about education and training options past high school and how financial aid can be used to finance your education/training.
3. How will you get there?
 - A. Identify the careers and career cluster area that you find most interesting.
 - B. Set short and long-term goals.
 - C. Select a Major Area of Interest for high school.
 - D. Develop a high school program of study.

The Career Cruiser, Florida CHOICES (www.flchoices.org), and ePEP (www.FACTS.org) can get you started to learn more about yourself, explore careers, and make plans for the future.

What's Your Passion?

Have you discovered what you are passionate about and how that might affect your choice of a career? This activity will help you think about work related tasks and where your interests are today. As you experience life and work place opportunities offered through your school, your interests may grow and change. Listed below are examples of work tasks. Look at each task and ask yourself:

- Does this appeal to me?
- Is it something I would enjoy doing everyday?
- Do I want to learn more about occupations that do this kind of work?

As you explore career clusters, activities like this will help you narrow down your choices so that you don't use time exploring occupations that don't match your interests.

To find your top interest, use this scale to mark each set of activities.

5 = like very much 4 = like 3 = not sure 2 = dislike 1 = dislike very much

What do you like to do?

1. Research new ways to produce food	5	4	3	2	1
Care for animals	5	4	3	2	1
Set up traps to catch crabs, lobster, or shellfish	5	4	3	2	1
Manage a farm	5	4	3	2	1
Maintain planted areas of trees, flowers or shrubs	5	4	3	2	1
TOTAL	_____				
2. Design, build, or remodel homes	5	4	3	2	1
Survey roads, property lines, and bridges	5	4	3	2	1
Build roads or bridges	5	4	3	2	1
Install electrical wiring in a building	5	4	3	2	1
Install plumbing and bathroom pipes/fixtures	5	4	3	2	1
TOTAL	_____				
3. Write stories or plays	5	4	3	2	1
Broadcast programs on TV or radio	5	4	3	2	1
Design a web page	5	4	3	2	1
Play in a band, orchestra, or music group	5	4	3	2	1
Operate equipment used in radio and TV	5	4	3	2	1
TOTAL	_____				
4. Type or write reports	5	4	3	2	1
Prepare tax records for people or companies	5	4	3	2	1
Manage a store	5	4	3	2	1
Work with computers	5	4	3	2	1
Answer the telephone and greet customers	5	4	3	2	1
TOTAL	_____				

5. Teach students to read	5	4	3	2	1
Take care of young children	5	4	3	2	1
Research test data	5	4	3	2	1
Be a physical trainer	5	4	3	2	1
Coach a team	5	4	3	2	1
	TOTAL				
	<hr/>				
6. Keep track of money	5	4	3	2	1
Sell insurance to people	5	4	3	2	1
Manage a bank department	5	4	3	2	1
Prepare financial records for people or companies	5	4	3	2	1
Help people invest their money	5	4	3	2	1
	TOTAL				
	<hr/>				
7. Plan a skate park	5	4	3	2	1
Direct a social service agency	5	4	3	2	1
Participate in fund raisers	5	4	3	2	1
Make regulations to protect the environment	5	4	3	2	1
Develop bills to become laws	5	4	3	2	1
	TOTAL				
	<hr/>				
8. Examine people and give them medical treatment	5	4	3	2	1
Give first aid to patients in an ambulance	5	4	3	2	1
Help an injured person learn to walk again	5	4	3	2	1
Process medical records and correspondence	5	4	3	2	1
Read an X-ray	5	4	3	2	1
	TOTAL				
	<hr/>				
9. Escort groups of people on tours	5	4	3	2	1
Serve meals and beverages to people	5	4	3	2	1
Umpire or referee a sporting event	5	4	3	2	1
Plan and conduct activities and trips for tourists	5	4	3	2	1
Manage a hotel	5	4	3	2	1
	TOTAL				
	<hr/>				
10. Counsel people in hospitals, clinics, or schools	5	4	3	2	1
Help youth, couples, and families resolve conflict	5	4	3	2	1
Advise people about their nutritional needs	5	4	3	2	1
Hold parenting classes	5	4	3	2	1
Plan activities for community centers	5	4	3	2	1
	TOTAL				
	<hr/>				
11. Follow blueprints to inspect electronic equipment	5	4	3	2	1
Use computer applications to create reports	5	4	3	2	1
Repair computers	5	4	3	2	1
Design programs for computers	5	4	3	2	1
Write technical directions for engineers	5	4	3	2	1
	TOTAL				
	<hr/>				

12. Protect lives and property from hazards	5	4	3	2	1
Uncover details of a crime and arrest suspects	5	4	3	2	1
Study legal documents to find information	5	4	3	2	1
Guard money or valuables in an armored car	5	4	3	2	1
Defend someone in court and advise them about laws	5	4	3	2	1

TOTAL _____

13. Use small or large power tools to build or repair items	5	4	3	2	1
Use precision devices to make parts	5	4	3	2	1
Use machines to shape, cut, or mold metal, fabric or wood	5	4	3	2	1
Install electrical equipment	5	4	3	2	1
Build robots	5	4	3	2	1

TOTAL _____

14. Buy clothing and accessories for a department store	5	4	3	2	1
Sell advertising space for a magazine	5	4	3	2	1
Prove beauty treatments for hair, faces, or nails	5	4	3	2	1
Run your own business over the Internet	5	4	3	2	1
Sell houses or land	5	4	3	2	1

TOTAL _____

15. Conduct experiments in a lab	5	4	3	2	1
Use advanced math to solve complex problems	5	4	3	2	1
Study causes of animal diseases	5	4	3	2	1
Study space and the solar system	5	4	3	2	1
Find alternate power sources	5	4	3	2	1

TOTAL _____

16. Drive a truck to deliver products	5	4	3	2	1
Pilot a ship or airplane	5	4	3	2	1
Drive a bus or taxi	5	4	3	2	1
Operate a train	5	4	3	2	1
Manage a distribution warehouse	5	4	3	2	1

TOTAL _____

Now total your score in each set of questions. Then play the match game on the next page and find the career clusters that match the symbol on the checklist where you scored the highest!

Check Out Your Career Clusters

Careers that have something in common are grouped together. They may share similar job duties, skills, and industries.

Agriculture, Food & Natural Resources - Processing, production, distribution, financing, and development of agricultural commodities and natural resources.

Architecture & Construction - Designing, managing, building, and maintaining the built environment.

Arts, A/V Technology & Communications - Creating, exhibiting, performing, and publishing multimedia content.

Business, Management & Administration - Organizing, directing, and evaluating functions essential to productive business operations.

Education & Training - Providing education, training and related learning support services.

Finance - Planning finances and investments; managing banking, insurance, and business finances.

Government & Public Administration - Executing governmental functions at the local, state, and federal levels.

Health Science - Providing diagnostic and therapeutic services, health information, support services, and biotechnology research and development.

Hospitality & Tourism - Managing restaurants and other food services, lodging, attractions, recreation events, and travel-related services.

Human Services - Providing for families and serving human needs.

Information Technology - Designing, supporting, and managing hardware, software, multimedia, and systems integration.

Law, Public Safety, Corrections & Security - Providing legal, public safety, protective, and homeland security services.

Manufacturing - Processing materials into intermediate or final products.

Marketing, Sales & Service - Performing marketing activities to reach organizational objectives.

Science, Technology, Engineering & Mathematics - Performing scientific research and professional technical services.

Transportation, Distribution & Logistics - Managing movement of people, materials, and goods by road, pipeline, air, rail, and water.

Total up your scores from boxes 1-16 on pages 4 through 6 and match them to the Career Clusters.

List your top three.

- 1.
- 2.
- 3.

Discover The “U” In Values!

This activity will help you identify your personal traits or values. Your journey through life will offer a variety of experiences, so as you change and grow, your values may as well. The list below contains a variety of satisfactions that people get from the activities they do. Using the scale listed below, rate the degree of importance to you.

1 = Not Important At All

2 = Somewhat Important

3 = Very Important

Helping Society: Doing something that contributes to improving our world.	1	2	3
Helping Others: Being involved in helping other people in a direct way.	1	2	3
Competition: Engaging in activities that rival my abilities against others.	1	2	3
Creativity: Creating new ideas, programs, or organizational structures.	1	2	3
Artistic Creativity: Engaging in creative activities such as painting, writing, or acting.	1	2	3
Knowledge: Engaging in learning and understanding new things.	1	2	3
Having Power and Authority: Controlling or influencing the opinions and activities of others.	1	2	3
Public Contact: Having a lot of day-to-day contact with others.	1	2	3
Working Alone: Doing projects alone without much contact with others.	1	2	3
Religious: Participating in activities to better relate to the divine, mystical, or spiritual.	1	2	3
Recognition: Being recognized for the things I do in a public way.	1	2	3
Physical Challenge: Doing activities that will require strength, speed, or agility.	1	2	3
Excitement: Doing stimulating or thrilling work.	1	2	3
Intellectual Status: Being thought of as an intellectual or an expert.	1	2	3
Change and Variety: Having responsibilities that frequently change.	1	2	3
Stability: Having structure and routine in my activities.	1	2	3
Profit-Gain: Making lots of money.	1	2	3
Fun: Finding pleasure in what you do.	1	2	3
Working with Others: Working as a team member toward common goals.	1	2	3
Adventure: Participating in risk-taking activities.	1	2	3
Independence: Being my own boss.	1	2	3
Technology: Working well with machines and tools.	1	2	3

Now look through the completed list. Of the items you’ve marked as a 3 (Very important), pick the five that are most important to you. List your top five values:

- 1.
- 2.
- 3.
- 4.
- 5.

Personality Rocks!

What do you know about personality types? Think about it this way . . . We all come in different shapes and sizes; we all have strengths and weaknesses, right? Things that are important to you may not be as important to others. Even though we have these differences, learning to develop and improve relationships at home, school, and the workplace might be a great idea!

Getting a clue to your own personality may help you right now to do better in teams or group activities, form friendships, and help you select courses for future work options. And later on, it might come in handy in working with all different kinds of people.

The quiz below will give you a glimpse of your personality type by looking at common work tasks and environments. As you compare the two groups under each question, you will probably find that some of the statements on each side describe you. That's OK! Just make a decision and check the box by the item on the left OR right that BEST describes you MOST of the time.

How does your energy flow?

Extraverts (E)

Have a lot of energy
Like to be around people
Act now, think later
Like doing many things at the same time
Talk more than listen

Introverts (I)

Have quiet energy
Like to be alone
Think first, and then act
Like to focus on one thing at a time
Listen more than talk

Every person has two faces. The Extrovert is directed to the outer world where you seek interaction with people such as discussions, brainstorming, group exercises, projects, and presentations. The other, the Introvert, is focused on the inner world of thoughts, interests, ideas, and imagination. Introverts prefer to study by themselves and in self-directed activities. One of the types usually plays the dominant role.

Which best fits you? Extroverts (E) or Introverts (I)

What kind of information do you notice and remember?

Sensors (S)

Like concrete information
Like step-by-step instructions
Prefer to stick to the facts
Rely on past experiences
Like clear and precise data

Intuitives (I)

Like creative ideas
Like to figure things out
Think about the possibilities
Trust you gut instincts
Like abstract concepts

Sensors like to have clear instructions for assignments and tests. Timelines, details, and data are ideal for this type. On the other hand, Intuitives love to think big, come up with theories, and debate the pros and cons of a concept. They like to do hands-on experiments and create flow charts to show others the concepts.

Which best fits you? Sensors (S) or iNtuitives (N)

How do you make decisions?

Thinkers (T)

Base decisions on facts
Look for logical solutions
Go for honesty and directness
Make decisions with you head
Love to debate issues

Feelers (F)

Base decisions on your feelings
Consider how other people feel
Go for courtesy and tact
Make decisions with you heart
Avoid arguments and conflicts

Thinkers love facts and figures. When making decisions, they first look at logic and consistency. They are great at editing and critiquing the work of others. Feelers look at the people and special circumstances before making decisions. They like to see the value in something and work well when assigned group projects where harmony building is a must!

Which best fits you? Thinkers (T) or Feelers (F)

How do you relate to your school and the outside world?

Judgers (J)

Like to make “to do” lists
Have a plan for each day
Study first, play later
Finish projects that you start
Get to class on time

Perceivers (P)

Like to stay loose and casual
Take each day as it comes
Play first, study later
Start projects, but don't finish
Like to be fashionably late

Judgers love a highly structured and organized method of learning. They want to see exactly what they are expected to learn, the deadlines, and how they will be graded. Perceivers prefer a free-flowing, unstructured learning environment. They like to get new information and options with no timelines.

Which best fits you? Judgers (J) or Perceivers (P)

This is a fun activity that is based on the Myers-Briggs® type of questions. All personality types are equal and there is no best type! The point of knowing about personality types is to understand and appreciate differences between people.

When you decide which item in each category describes you, you can find your own personality type which can be expressed as a four-letter code. Place the letter below from each category where you marked the most.

Example: **E N T J**

Your personality type is: _____

You can go to Florida CHOICES Planner at www.flchoices.org and match up your results to the types preferred in occupations. Occupations in Florida CHOICES Planner are coded to Myers-Briggs Indicators. The codes are based on results you would receive from taking the validated instrument.

Imagine If You Were Your Own Boss . . .

No one could tell you what to wear, what time to come in, what time to leave, or how to wear your hair. You would be the one making the rules and enforcing them. Do you see yourself doing that? To start your own business and truly succeed, it takes not only a good idea but also lots of long hours and hard work. Could this be you? The quiz below will give you an idea if you have what it takes to be your own boss!

Choose the number that you feel describes you best (5= strongly agree 1= strongly disagree)

1.	You have excellent time-management skills.	5	4	3	2	1
2.	You are competitive.	5	4	3	2	1
3.	You stick to a goal even if it means changing your plan of action.	5	4	3	2	1
4.	You are well organized.	5	4	3	2	1
5.	You are independent.	5	4	3	2	1
6.	You would rather do something right than finish quickly.	5	4	3	2	1
7.	You are self-confident.	5	4	3	2	1
8.	You are willing to work hard.	5	4	3	2	1
9.	You are a creative problem solver.	5	4	3	2	1
10.	You like to work under pressure.	5	4	3	2	1

How did you score?

Your Total Score is:

Over 35

You seem to have the skills and motivation that are needed to start and operate a business. Many successful business owners began thinking about a product or service that they could turn into a money making venture as early as middle school. Certainly something to think about as you're planning your future.

Less than 35

Don't be discouraged. There is no set formula for who can and cannot be a successful business owner. You can improve your chances of success by taking courses in school, studying on your own, observing other successful business owners, and practicing the traits listed in this quiz.

Skills for the Workplace . . . Get Them! Keep Them!

There are many ways to develop skills: school, social, and leisure activities, work, sports, hobbies, home chores, and volunteer work. The skills you build during your school years will become the building blocks of your work foundation. Think of yourself now, in school, and evaluate each skill as used in school. Choose the description (Can Do or Needs Work) that best describes your level of each skill.

Communication Skills

Giving class presentations	Can Do	Needs Work
Reading manuals	Can Do	Needs Work
Writing clearly and concisely	Can Do	Needs Work
Listening and responding to what others say	Can Do	Needs Work

Problem Solving

Analyzing information	Can Do	Needs Work
Understanding the problem	Can Do	Needs Work
Identifying the problem	Can Do	Needs Work
Solving the problem	Can Do	Needs Work
Applying the solution	Can Do	Needs Work

Knowing How to Learn

Asking questions	Can Do	Needs Work
Reading information	Can Do	Needs Work
Using the library	Can Do	Needs Work
Researching information	Can Do	Needs Work
Joining activities and clubs	Can Do	Needs Work

Responsibility

Doing homework	Can Do	Needs Work
Meeting project deadlines	Can Do	Needs Work
Getting to class on time	Can Do	Needs Work
Following a schedule	Can Do	Needs Work
Being on sports teams or clubs	Can Do	Needs Work

Creative Thinking

Learning how others have been creative	Can Do	Needs Work
Using your imagination	Can Do	Needs Work
Trying new ways of doing things	Can Do	Needs Work
Looking at issues from a different point of view	Can Do	Needs Work

People Skills

Getting along with others	Can Do	Needs Work
Meeting new people	Can Do	Needs Work
Working on a team	Can Do	Needs Work
Respecting the ideas of others	Can Do	Needs Work

Personal Skills

Making ethical choices	Can Do	Needs Work
Motivated and enthusiastic	Can Do	Needs Work
Reliable and dependable	Can Do	Needs Work
Pride in appearance	Can Do	Needs Work
Courteous and respectful	Can Do	Needs Work

Self-Management

Scheduling your day	Can Do	Needs Work
Setting priorities and goals	Can Do	Needs Work
Being flexible	Can Do	Needs Work
Positive attitude toward change	Can Do	Needs Work

Technical Skills

Using a keyboard	Can Do	Needs Work
Using a word processing program	Can Do	Needs Work
Organizing and analyzing info with spread sheets	Can Do	Needs Work
Developing PowerPoint	Can Do	Needs Work
Learning to cut and paste	Can Do	Needs Work
Using the Internet for research	Can Do	Needs Work
Using e-mail	Can Do	Needs Work

What Do You Know About the World of Work?

Test your knowledge on the world of work by choosing the correct answer.

1. Most people work in the same job for 25-30 years. True or False
2. Career planning should begin by deciding how much money you want to earn. True or False
3. Most people spend more time with family and doing leisure activities than they do at work. True or False
4. A career cluster is a:
 - a. group of workers clustered in a particular career.
 - b. group of careers that have something in common.
 - c. group of careers clustered in a geographical area.
5. The level of skills required for jobs of the future will be: a. higher, b. lower, or c. about the same.
6. People with disabilities have very few career options. True or False
7. During the last decade, the number of women in the workforce has:
 - a. increased.
 - b. decreased.
 - c. stayed the same.
8. The majority of jobs in the future will require education and training past high school. True or False
9. It's best to wait until you are a senior in high school to decide on a definite career. True or False
10. The Child Labor Law says that a minor may start to work at age:
 - a. 13.
 - b. 14.
 - c. 15
11. An entrepreneur is a:
 - a. new hybrid automobile.
 - b. section of the official 16 Career Clusters.
 - c. person who starts a new business.
12. Career planning is something you do once in your life and never have to think about again. True or False

Answers to: What Do You Know About the World of Work?

1. False The average person will have 10-12 jobs by age 34.
2. False Although money may be an important factor in choosing a career, career planning should begin with making sure the career suits your interests, abilities, and lifestyle.
3. False The average American spends more time at work than any other activity.
4. b. A group of careers that have something in common. They may share similar job duties, skills, and industries.
5. a. Future jobs will require higher-level math, reading, problem-solving skills, and more technical knowledge.
6. False People with disabilities can perform many careers with the right assistive devices or supports.
7. a. Increased
8. True Although only about one job in five will require a four-year college degree, most jobs will require education or specialized training beyond high school.
9. False It is important to make some tentative choices, but you need to keep your options open. What you want today may not be right, or even available tomorrow.
10. b. 14
11. c. A person who starts and operates a new business. Strong leadership, a willingness to work hard, and a vision for the future are skills needed when you are your own boss.
12. False As the workplace changes and people change jobs more frequently, career planning becomes a life-long process.

Cool Jobs in Science and Biotech

For many of us, our childhood science classes taught us only one thing; we're not meant to be scientists. For the more aspiring students, those classes were the first step toward successful careers in a growing industry.

According to the Bureau of Labor Statistics (BLS), the number of science-related jobs will increase at a rate faster than the national average between now and 2016. Environmental scientists, hydrologists, and geoscientists will experience the fastest growth.

For most careers in science, you need at least a Bachelor's degree, but an increasing number are asking for a Master's or a Doctorate. Many of these careers come with attractive salaries that range on the average from \$56,000 to \$95,000, with the highest earners making six figures. One thing's for sure, if you're interested in these careers, you'd better take lots of math and science courses.

Here are the top 10 jobs in science (based on the projected job growth) as reported by the BLS.

Career	Description	Earnings	New Jobs Created By 2016
Environmental Scientists	Research issues relating to natural resources, plants, animals and humans. Use findings to spread awareness about pollution and how it can be prevented.	\$58,380*	21,000
Hydrologists	Study bodies of water and rainfall throughout the world. Their research helps other scientists, governments and businesses understand what pollutants are affecting the water supply.	\$68,140*	2,000
Geoscientists	Study physical aspects of the earth, including the atmosphere.	\$75,800	6,800
Medical Scientists	Study human health and diseases in order to develop treatments and discover preventive measures.	\$64,200*	18,000
Biochemists and Biophysicists	Study how chemistry and physics affect living organisms.	\$79,270*	3,200
Atmospheric Scientists	Monitor the behavior of the earth's atmosphere in order to understand its role in the environment. Their work is gaining more visibility as they learn more about global warming, which has become a media and political focal point.	\$78,390*	900
Material Scientists	Study the composition of natural and synthetic materials in order to enhance them or develop new ones. These materials, such as metals or plastic, can be found in everyday items or in large structures.	\$76,160*	800
Physicists	Study the properties of matter and motion. Depending on their specialization, this includes researching the universe's origin or developing new scientific tools.	\$96,850*	1,100
Astronomers	Study the characteristics and behavior of the sun, stars, galaxies and planets.	\$99,020*	100
Biological Scientists	Observe and study all forms of life, from microscopic organisms to humans, in order to better understand how these organisms develop and interact with their surroundings.	\$79,270*	1,100

*Median annual salary information based on BLS data.

Career and Technical Education – Doorway to Your Future!

Get it Started in High School

Want to take high school career and technical courses that will help you develop skills for a future career? How about exploring different career areas to see which holds your interest? Career and technical education is a popular choice in today's high schools since it offers highly skilled training with hands-on learning experiences. After high school, you can advance your skills by enrolling at a technical center, community college, or a university. Many high school career and technical courses are linked to community college programs through Tech Prep. Ask about Tech Prep/Programs of Study in your school district.

High schools usually offer major areas of interest and/or electives in some of these programs:

- Agriculture, Food & Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communication
- Business Management & Administration
- Education & Training
- Finance
- Government & Public Administration
- Health Sciences
- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections & Security
- Manufacturing
- Marketing, Sales & Services
- Science, Technology, Engineering & Mathematics
- Transportation, Distribution & Logistics

Career and Technical Education Programs Offer:

- On-the-job work experiences through internships, apprenticeships, job shadowing, and cooperative education
- Job opportunities that allow you to earn while you learn
- Opportunities to join student organizations with benefits such as leadership development, scholarships, travel, and competitions to win awards and money
- Real work situations to apply what you learn

***In Florida 8 out of the 10 fastest growing occupations by 2016, do not require a four-year degree!

***65% of all new occupations require education/training past high school of 2 years or less!

Consider the A-Maze-ing Possibilities

Intro: Your high school graduation is the starting point to achieving your dreams. You are probably unsure what educational and training options are available to you. You might even feel like you are in a maze. Each pathway below can lead to great careers. It is up to you to explore your future options and decide which path is right for you.

After all, the more information you gather now the easier it will be to make a decision later.

Apprenticeships: Apprenticeships involve working with experienced workers while completing classroom training. Plus, you get paid! For more information visit www.fldoe.org/workforce/apprenticeship/

Military Training: The Military trains people in numerous occupations, plus provides tuition assistance for colleges and universities. Each recruit signs a legal contract for eight years of duty. www.usmilitary.com

Career and Technical Centers: Career and Technical Centers provide highly skilled training with hands-on-learning experiences. Most programs require less than two years to complete and a certificate of completion is earned to show that you're certified to do specialized work.

Community College: Two-year degrees programs are available through community colleges. You may choose to get a two-year degree in a specific career field and go directly to work or transfer to a four-year college or university.

Four-Year Colleges and Universities: Four-year bachelor degree programs are available through public and private colleges and universities.

For Information on postsecondary education options, visit www.flchoices.org

Generation Green!

If you are concerned about our environment, pollution, pesticides, or all the garbage we produce...how about 254 million tons a year...you may have “green” values. You can learn to be even “greener” by exploring opportunities that are becoming available in research, engineering, and conservation. Many of today’s jobs are being reinvented as “Green Jobs.” These are occupations that help to improve the quality of our environment.

Florida’s up-and-coming green job areas are:

Solar and Wind Power:

Looking for ways to save \$\$\$? Investing in solar panels and other solar products that get energy from the sun could be the answer. The wind and sun are free! You do the math! If you’ve always had a thing for science fair projects, this could be the chance to bring those skills to life and get paid for it!

Biofuels:

Instead of spending \$\$\$ on fossil fuels from other countries, biofuels are products that can be made in our own country. These renewable fuels replace oil and coal that are made from the earth over millions of years. If experimenting in a lab sounds like you, then turn your willingness to wonder into this career.

Energy Efficient Automobiles:

The world is moving away from dirty gas guzzling vehicles toward those using renewable energy. To produce energy smart vehicles, a variety of workers are needed. If you have an interest in design technologies, this could be the field for you!

Mass Transit:

Whether it’s trains, planes, or automobiles, there are many kinds of jobs that are associated with transporting people or goods. Are you a problem solver? Then a career in logistics could be the final piece to your career puzzle.

Making Buildings More Energy-efficient:

The way a building is constructed, insulated, heated and ventilated and the type of fuel used contributes to its energy consumption and carbon emissions. So, making homes and building more energy efficient is a priority for those who think “green.” Are you an artist? Are you strong in math, science, or enjoy architecture? Then this career path can build you a profession like no other.

It's not easy being "GREEN,

But our quality of life depends on it!

You've heard of "white collar" and "blue collar" jobs, but are new "Green Collar" jobs being created, or are today's jobs just being reinvented? And, the answer is ...Yes! Yes! A wind power turbine installer is an example of a new green job. A carpenter, once thought of as "blue collar", can become "green collar" by using new materials and technologies to make homes and building green.

Did you know?

A Wind Energy Technician maintains turbines on wind farms. A strong background and understanding of mechanical and electrical principals would be great! Also, a must – being in good shape! Taking care of really tall turbines involves climbing lots of stairs.

Welders are very important to solar power manufacturing.

Machinists make components for turbines that produce wind power.

Industrial Truck Drivers transport supplies and fuels.

There are over 44,000 **Electricians** and nearly 69,000 **Carpenters** in Florida.

A Biodiesel Fuel Specialist searches for other ways to make energy. If working in a lab testing and analyzing biofuel samples sounds interesting, why not go for a college degree in chemistry or mechanical engineering? That could land you a job that pays well!

New education/training options are being added at all levels in Florida's schools. From High School Academies to Career & Technical Centers and on to Universities, taking the right courses will give you an advantage in the world of "green" jobs. Check with your guidance counselor to see what Major Areas of Interest could help you in the future...not just to get a job, but help you get a job that might change the world!

Don't just go green...BE Green!

Check out these links below:

Ever heard of a solar power backpack? Go to www.eco20-20.com to learn more.

What's the least wasteful city in America? Find out at www.greenbiz.com.

Where are Florida's Green Companies? Map them at www.edf.org.

Career Clusters

Think it's too early to start thinking about careers? Think again! Your career may begin years from now and will probably change many times over your lifetime. During middle school, it's important to learn about different occupations, how to compare them, and match to your interests and abilities. To help you get started, information on occupations has been organized by career clusters. There is just enough information for you to determine if you want to know more about a particular occupation. Find something interesting? Do a more in-depth search at Florida CHOICES, www.flchoices.org.

Education Level

- Now: Requires on-the-job-training, work experience, and/or a high school diploma.
Next: Requires up to 2 years of education beyond high school.
Later: Requires 4 years of education beyond high school, and sometimes work experience.
Goldstar: Indicates a high wage, high demand job in Florida.

Each section is listed in order of: Job Title, Job Description, Average Salary, and Education Requirements. Additional job titles listed are similar in duty but may vary in educational level.

Agriculture, Food & Natural Resources

Do you like to work outside? What about discovering new ways of growing food or discovering better ways to use our natural resources? The agricultural and natural resources industry is a great career choice for people who like to work with the earth and its resources.

NOW

Animal Trainer – Horse Trainer

Trains animals for riding, harness, security, performance, or obedience, or assisting persons with disabilities.

\$35,300 annual

High School Diploma

Crop Farmworker/Laborer - Farmer, Rancher

Performs general farm labor duties as directed by farmers, farm managers, or supervisors. May oversee seasonal help during planting and harvesting.

\$19,600

On-the-job training

Landscape Gardener/Lawn Maintenance Worker – Landscape Laborer, Horticultural Worker

Landscapes and maintains gardens, lawns, and grounds of public or private property.

\$23,200 Annual

On-the-job training

Logging Equipment Operator - Tree Cutter, Faller

Drives tractors equipped with one or more accessories, such as a bulldozer blade, hydraulic shear, grapple, logging arch, cable winches, or crane boom to cut and fell trees.

\$31,400 annual

High School Diploma

NEXT

Agricultural Supervisor – Animal Care Supervisor, Horticultural Supervisor

Supervises workers who cultivate, plant, and harvest crops and attend livestock. Hires, trains, and assigns duties to workers. May arrange work contracts, housing, and transportation for workers.

\$45,000 annual

Career & Technical or Community College

Agricultural Technician – Biological Aide, Chemical Technician

Works with biologists to study living things. Sets up, operates, and maintains lab instruments. Monitors experiments, makes observations, calculates and records results.

\$34,400 annual

Community College

Baker - Chef

Mixes and bakes ingredients according to recipes to produce breads, pastries, and other baked goods. Goods are produced in large quantities for sale through establishments such as grocery stores.

\$23,600 annual

Career & Technical

Forester – Forest Ecologist, Range Manager

Develops ways to protect forests against fire, insects, disease, floods, and erosion. Seeks to develop new and better methods and tools for conserving resources. Works with farmers, ranchers, and other land managers to develop conservation programs.

\$49,200 annual

Community College

Forest/Conservation Technician – Tree Planter, Forester Aide

Compiles data about size, content, conditions and other characteristics of forest tracts. Under the direction of foresters, helps provide technical assistance regarding the conservation of soil, water and related natural resources.

\$41,500 annual

Career & Technical or Community College

Nursery or Greenhouse Manager – Lawn Service Manager, Christmas-Tree Farm Manager

Plans and coordinates workers at nurseries, greenhouses, and ornamental plant farms. Manages workers who cultivate and harvest horticultural products. Buys needed materials to care for trees and plants.

\$93,700 annual

Career & Technical or Community College

Water and Sewage Treatment Plant Operator (Take out Goldstar) – Waterworks Pump Station Operator, Waste Treatment Operator

Removes harmful pollution from domestic and industrial wastewater. Controls equipment that moves the water through the treatment process and disposes waste materials. Takes samples of the water, performs chemical laboratory analyses, and adjusts the amount of chemicals such as chlorine in the water.

\$42,600 annual

Career & Technical

License required

LATER

Soil/Plant Scientist – Agronomist, Farm Manager

Conducts research into the production and yield of plants or crops. Develops methods of conserving and managing soil that can be used by farmers and forestry companies.

\$66,200 annual

University

Zoologist/Wildlife Biologist – Human and Animal Pathologist

Researches and studies the origin, behavior, diseases, life processes, and distribution of animal life.

Uses computers to record and analyze data.

\$53,500 annual

University

At this point, you probably don't know a lot about Florida's Bright Futures Scholarship. You know, the one that is funded by the lottery? Grades and lots of other stuff will qualify you to get the scholar ship. But, something you need to think about as soon as you get in high school is the required 75 hours of community service. You are going to be so busy with school...homework, studying, clubs, sports, and other activities. Where will you find the time? Even if you dedicated three hours per month to volunteer work, it would still take over two years to qualify. Do the math!

Volunteering will not only meet the requirements for Bright Futures, but you will be serving your community too. Make community service part of your PLAN and be sure to talk to your high school counselor about options!

Architecture & Construction

Can you construct things in your mind? Do you have the ability to visualize a project and sketch it out? Occupations in this career cluster give you a wide variety of tasks. You can do anything from designing buildings to the actual construction. You can start your own business and be your own boss.

NOW

Carpenter Helper

Helps carpenters or carpentry-related craft workers. Duties include supplying or holding materials or tools, and cleaning work areas and equipment.

\$25,400 annual

On-the-job training

Plumber/Pipefitter Helper

Helps plumbers or pipefitters in the layout, assembly, and installation of piping for air, ammonia, gas, and water systems.

\$25,100 annual

On-the-job training

NEXT

Brickmason (Goldstar)– Bricklayer, Chimney Repairer

Sets bricks, concrete blocks, masonry panels, and other masonry materials. Builds and repairs walls, floors, partitions, chimneys, and other structures.

\$39,000 annual

Career & Technical

Apprenticeship

Carpenter (Goldstar) – House Repairer, Wood Boat Builder

Cuts, fits, and assembles wood and other materials in the construction of buildings, docks, boats, and many other structures. Works from blueprints to measure and mark materials. Cuts and shapes materials and joins them with nails, screws, staples, or adhesives.

\$36,200 annual

Career & Technical

Apprenticeship

Construction and Building Inspector (Goldstar) – Plumbing Inspector, Electrical Inspector

Examines the construction, alteration, or repair of structures to ensure that the methods and materials used to build and repair structures meet regulations. Inspects buildings, highways and streets, sewer and water systems, dams, bridges, and other structures.

\$53,500 annual

Career & Technical or Community College

License required

Construction Manager (Goldstar) – Contractor, Bridges and Buildings Supervisor

Directs construction supervisors and monitors the progress of construction activities including the delivery and use of materials, supplies, tools, machinery, equipment, and vehicles. Directs or monitors compliance with building and safety codes.

\$91,200 annual

Career & Technical or Community College

License required for General Contractor

Drywall Installer/Finisher (Goldstar) – Sheetrock Applicator, Taper

Installs and finishes drywall panels used for walls and ceilings in homes and buildings. Measures, cuts, and fits panels around windows, doors, and electrical outlets.

\$34,100 annual

Career & Technical

Electrician (Goldstar) – Airport Electrician, Street-Light Repairer

Installs, connects, and repairs electrical wiring in buildings. Pulls wire or cable through a conduit to connect switches and outlets. Installs fiber optic cables for computers or telecommunications equipment.

\$39,800 annual

Career & Technical

Apprenticeship

Heating and Air-conditioning Mechanic (Goldstar) – Solar Energy System Installer, Furnace Installer

Installs, maintains, and repairs heating and air conditioning equipment. Works on the mechanical, electrical, and electronic components. Checks defects and repairs or replaces parts.

\$38,300 annual

Career & Technical

Surveyor (Goldstar) - GIS Expert, Cartographer

Researches and provides data about the location, elevation, and shape of land for engineering, mapmaking, construction and other purposes.

\$55,200 annual

Career & Technical or Community College

License Required

LATER

Architect – School-Plant Consultant

Plans, designs, and supervises the construction of homes, office buildings, airports, or highways. Uses computer-aided design and drafting (CADD) systems to prepare detailed drawings.

\$67,500 annual

University

License required

Internship required

Landscape Architect – Environmental Planner, Landscape Drafter

Plans and designs land areas for residential use, public parks, college campuses, shopping centers, airports, golf courses, highways, and industrial parks. Designs areas that are functional, beautiful, and compatible with the natural environment.

\$59,100 annual

University

License required

Internship recommended

Arts, A/V Technology & Communications

Have you ever dreamed of being a movie star or a famous writer? You could be the next big Hollywood director or Michelangelo! If you have the ability to be very creative and expressive there may be many opportunities to explore in this industry.

NOW

Actor – Comedian, Magician

Performs dramatic rolls, action rolls, comedy routines, or tricks of illusion to certain audiences on stage, television, or motion pictures. Generally, formal training is necessary; however, some people enter the field without it.

\$29,000 annual

On-the-job training

Dancer - Choreographer

Dances alone, with a partner, or group to entertain audiences. May perform in ballets, musical comedy shows, concerts, television, movies, commercials, or other types of productions.

\$28,300 annual

On-the-job training

Musician/Singer – Composer, Music Director

Plays one or more musical instruments in solo performance, with accompaniment, or as a member of an orchestra, band, or other musical group. Formal training may be obtained for success in different occupations related to music.

\$43,300 annual

Education, training and experience varies

NEXT

Broadcast Technician (Goldstar) – Audio Operator, Television Technician

Works with electronic equipment used to record and transmit radio and television programs. Operates cameras, microphones, transmitters, or other equipment to regulate the signal strength or clarity of recordings or broadcasts.

\$42,300 annual

Career & Technical or Community College

Film/Video Editor – Sound Cutter, Optical Effects Layout Person

Edits motion picture films, television videotapes, and sound tracks. Checks and selects scenes for their dramatic and entertainment values. Trims film segments to specified lengths and reassembles them in order.

\$44,200 annual

Career & Technical or Community College

Graphic Designer (Goldstar) – Animator, Media Artist, Cartoonist

Creates art and develops the design of magazines, journals, or newspapers. Uses computers to design new images or to modify existing ones.

\$40,300 annual

Career & Technical or Community College

Photographer – Photojournalist, Aerial Photographer

Takes pictures using video film for movies or still photographs for printing. Uses lighting equipment and different lenses for close-up, medium-range, or distance photography.

\$31,600 annual

Career & Technical or Community College

Producer/Director – Motion Picture Director, Stage Director

Producers select plays or scripts, plan financing and budget. Coordinates the activities of writers and directors. Directors interpret scripts; audition and select cast members, conduct rehearsals, and direct the work of the cast and crew.

\$64,300 annual

Community College/University

Public Relations Specialist (Goldstar) – Lobbyist, Sales-Service Promoter

Helps businesses, schools, hospitals, and other organizations to build and keep a good public image and promote their ideas, services, or products.

\$55,000 annual

Community College

Telecommunications Line Installer/Repairer – Communications Equipment Mechanic, Central Office Frame Wirer

Installs and repairs fiber optic telecommunications cables that connect telephones and cable television to customers' homes. Uses electronic test equipment to make routine checks of lines.

\$43,300 annual

Career & Technical

LATER

Commercial Art Director – Creative Director, Production Manager

Formulates design concepts, plans presentations, and directs workers engaged in art work, layout, and copy writing for visual communications.

\$64,300 annual

University

Curator – Archivist, Museum Technician and Conservator

Plans, directs, and coordinates activities of an exhibiting institution, such as a museum, art gallery, botanical garden, zoo or historic site.

\$52,200 annual

University (Master's degree)

Librarian - Librarian Assistant

Provides library services such as organizing and cataloging books, publications, and audio-visual materials. Assists patrons in searching databases for information and in the use of library resources.

\$57,200 annual

University (Master's Degree)

Business, Management & Administration

Have you ever wondered what goes on in those big, tall business buildings you see downtown? They are full of office managers and secretaries who do everything from writing contracts to answering phones. This industry depends heavily on the people who work behind the scenes keeping everything running smoothly.

NOW

Receptionist/Information Clerk - Insurance Claims Clerk, Shipping and Receiving Clerk

Receives and greets visitors to an office or place of business, provides information about activities or services offered, the location of departments and employees within the organization, and may perform other clerical duties.

\$24,400 annual

High School Diploma

NEXT

Accountant/Auditor (Goldstar) – Cost Accountant, Tax Accountant

Works with numbers. Keeps financial records for businesses, the government, or individuals. These records show how much money is earned, spent, and paid in taxes.

\$61,600 annual

Career & Technical or Community College

License required

Administrative Assistant/Executive Secretary (Goldstar) – Administrative Secretary, Legal Secretary

Assists executives by coordinating and directing basic office services, such as staff assignments, records storage and retrieval, budget control, and providing information to staff and clients.

\$38,800 annual

Career & Technical or Community College

Administrative Services Manager (Goldstar) – Court Administrator, Office Manager

Organizes typing, filing, bookkeeping, and office procedures of clerical workers in a business or organization. Plans, supervises, and assigns the work of staff.

\$90,400 annual

Career & Technical or Community College

Customer Service Representative – Order Clerk, Information Clerk, Customer Service Representative

Interacts with customers to provide information in response to inquiries about products and services and to handle and resolve complaints.

\$29,600 annual

On-the-job training

General/Operations Manager (Goldstar) – Department Store Manager, President

Coordinates and directs the people who work in corporations, non-profit institutions, and government agencies. Plans, organizes, and directs the activities of the organization.

\$103,500 annual

Community College

Medical Secretary (Goldstar) – Legal Secretary, Administrative Assistant

Performs secretarial duties using specific knowledge of medical terminology and procedures. Uses personal computers, and operates office equipment such as fax machines, photocopiers, and telephones with voice mail capabilities.

\$28,300 annual

Career & Technical

LATER

Human Resources Manager – Employment Manager, Benefits Manager

Manages programs concerned with the employment and treatment of workers. Oversees the hiring and firing of employees and supervises workers. Develops plans to inform workers of their employment rights and benefits.

\$92,000 annual

University

Management Analyst – Business Consultant, Reports Analyst

Works with businesses to find ways to operate more efficiently and effectively. Helps managers define problems. Collects, reviews, and analyzes information. Presents recommendations.

\$79,500 annual

University (Master's degree)

Education & Training

If you want a job that is rewarding, consider teaching. With a career in education, you have the opportunity to inspire the minds of the future. In Florida, there is a high demand for educators and trainers due to the rising state population. The opportunities are wide open and you have the option to work with children or adults.

NOW

Fitness Trainer and Aerobics Instructor – Personal Trainer, Recreation Worker

Instructs or coaches groups or individuals in exercise activities and the fundamentals of sports.

Demonstrates techniques and methods and informs participants of corrective measures to improve their skills.

\$35,100 annual

High School Diploma

NEXT

Child Care Center Administrator – Child Care Aid Worker

Plans, directs, and coordinates the academic and non-academic activities of preschool and child care centers or programs. Works with staff and parents to promote educational progress of students.

\$62,100 annual

Career & Technical or Community College

Library Assistant – Film or Tape Librarian, Bookmobile Driver

Helps librarians acquire, prepare, and organize material. Enters catalog information into the library's computer and helps people use computer systems to find books and materials.

\$24,300 annual

Career & Technical

Preschool Teacher – Kindergarten Teacher, Daycare Teacher

Instructs children (normally up to 5 years of age) in a preschool, day care, or other child development center. Conducts activities designed to develop social, physical, and intellectual skills needed for primary school.

\$26,500 annual

Community College

Scuba Diving Instructor – Search and Recovery Diver, Underwater Welder

Instructs individuals in how to use self-contained underwater breathing apparatuses (S.C.U.B.A.) that allow divers to function underwater. Provides training in the classroom, pool and the open water.

\$35,000 annual

Career & Technical

Certification required

Teacher Assistant (Goldstar) – Classroom Assistant, Grading Clerk

Prepares classroom materials, supervises students, and operates audio-visual equipment under the guidance of a teacher.

\$23,200 annual

Career & Technical

LATER

Elementary School Teacher – Preschool Teacher, Children's Tutor

Instructs students in numbers, language, science, social studies and other activities designed to promote social, physical, and intellectual growth. Uses games, music, artwork, films, computers, and other teaching technology.

\$52,200 annual

University

Certification required

Principal – Education Administrator, Assistant Principal

Plans, develops, and administers programs to provide educational opportunities for students. Monitors programs for effectiveness and compliance with federal, state, and local regulations.

\$86,000 annual

University (Master's degree)

Certification required

School Counselor – Career Specialist

Counsels individuals or small groups and provides educational and career assessment services. May operate career information centers and career education programs.

\$55,200 annual

University (Master's degree)

Certification required

Secondary School Teacher – Resource Teacher, Physical Education Instructor

Plans lessons and assignments, conducts classes, and grades tests and papers. Teaches subjects such as English, Math, Social Studies, or Science.

\$54,900 annual

University

Certification required

Special Education Teacher – Teacher of Learning Disabled, Teacher of Emotionally Impaired Students
Teaches academic and social skills for children who have special needs such as disabilities or gifted intelligence. Plans individualized education programs, prepares lessons, and assigns work.

\$53,700 annual

University

Certification required

Vocational Education Teacher – Secondary School Teacher

Instructs and trains students in career-oriented areas such as health care, business, auto repair, communications, and technology. Teaches specific trades that are in high demand by employers.

\$57,400 annual

University (and/or demonstrate expertise in a particular field)

Certification required

Finance

In this field, money is the name of the game and the payoff can be high. Many people have money to put into the bank or invest in the stock market, so job opportunities in this field are growing.

NOW

Insurance Processing Clerk – Reviewer, Policy Change Clerk

Reviews insurance applications to ensure that all questions have been answered. Prepares new policies, changes existing policies, and gives information to insurance agents.

\$33,200 annual

High School Diploma

Payroll Clerk - Tax Preparer, Payroll Officer

Computes and posts wage data to payroll records. Keeps a daily, weekly, or monthly record showing payroll activities and transactions.

\$32,500 annual

High School Diploma

NEXT

Auto Damage Insurance Appraiser - Insurance Underwriter, Automotive Forensic Investigator
Appraises automobile or other vehicle damage to determine cost of repair for insurance claim settlement. Seeks agreement with automotive repair shop on the cost of repair.

\$51,500 annual

Career & Technical

Bank Teller – Vault Teller, Foreign Banknote Teller

Cashes checks, accepts deposits and loan payments, and processes withdrawals.

\$25,300 annual

Career & Technical

Bookkeeping/Accounting Clerk (Goldstar) – Tax Clerk, Audit Clerk

Records debits and credits and posts transactions in journals or in computer programs to keep financial information up to date. Prepares reports.

\$32,600 annual

Career & Technical or Community College

Financial Analyst (Goldstar) – Investment Analyst, Personal Financial Advisor

Provides investment analyses and guidance to businesses and individuals. Gathers and analyzes financial information. Makes recommendations to investors.

\$70,600 annual

Community College

Financial Manager (Goldstar) – Credit and Collection Manager, Bank Manager

Directs investment activities and prepares financial reports for a business. Manages spending by deciding how money will be used and analyzes investments.

\$106,200 annual

Community College

Financial Services Sales Agent – Stockbroker, Financial Planner

Buys and sells stocks, bonds, mutual funds, insurance, or other financial products for customers. Gives advice and information on the purchase or sale of financial products.

\$81,300 annual

Community College

License required

Insurance Claim Examiner (Goldstar) – Claim Agent

Studies insurance claims to see whether clients' policies cover them for particular losses. Interviews people, checks police and hospital records, and inspects property damage to determine the extent of the company's responsibility to pay the person who suffered the loss.

\$54,000 annual

Career & Technical

License required

Loan Counselor – Commercial Loan Officer, Mortgage Loan Underwriter

Helps borrowers gather financial information and fill out loan applications. Evaluates and recommends approval of commercial, real estate, or credit loans. Advises borrowers on financial options and methods of payments.

\$42,200 annual

Community College

LATER

Actuary

Applies knowledge of mathematics, probability, statistics, and the principles of business finance to problems in insurance, annuities, and pensions.

\$93,300 annual

University

Economist - Statistician, Economic Development Officer

Conducts research, prepares reports, or develops economic forecasts. Interprets and analyzes data to produce usable statistics.

\$94,300 annual

University (Master's degree)

Market Research Analyst - Marketing Manager

Researches market conditions in local, regional, or national areas to determine potential sales of a product or service. May use survey results to create a marketing campaign based on regional preferences and buying habits.

\$60,200 annual

University

Government & Public Administration

From the President of the United States to a legislative aide, this field has a wide variety of jobs from which to choose. You can be an elected official or hold a salaried position that links you to the government. So whether a local, state, or federal government employs you, you serve the community, state, and nation where you live. Democracy at its best!

NOW

License Clerk – Marriage License Clerk, Driver's License Clerk

Issues licenses and permits to qualified applicants. Give tests to see if applicants meet requirements. May issue driver's, liquor, marriage, or other licenses. Questions applicants and records information forms. Collects fees.

\$31,700 annual

High School Diploma

Municipal Clerk – Public Records Clerk, Court Clerk

Performs clerical and administrative duties for a municipal government. Prepares agendas and bylaws for town or city councils. Records minutes of council meeting. Answers correspondence, keeps fiscal records, and prepares reports.

\$31,700 annual

High School Diploma

NEXT

Emergency Management Specialist - Emergency & Disaster Response Worker, Hazardous Materials Removal Worker

Coordinates disaster response or crisis management activities and provides disaster preparedness training. Prepares emergency plans and procedures for natural disasters, technological disasters; wartime; or hostage situations.

\$56,300 annual

Community College

Environmental Compliance Inspector – Inspector, Tester and Grader

Inspects and investigates sources of pollution to protect the public and environment and ensures conformance with federal, state and local regulations and ordinances.

\$48,400 annual

Career & Technical or Community College

Government Property Inspector/Investigator – Quality Assurance Inspector
Investigates or inspects government property to ensure compliance with contract agreements and government regulations. Prepares reports of investigations and recommends action.
\$48,400 annual
Career & Technical

Licensing Examiner/Inspector - Passport Application Examiner
Administers oral, written, road, or flight tests to license applicants. Issues licenses to individuals meeting standards. Prepares reports and visits establishments to verify that valid licenses and permits are displayed.
\$48,400 annual
Career & Technical

Social/Community Services Manager – Rehabilitation Center Manager, Social Welfare Administrator
Plans, develops, and directs social service programs designed to help people with health, welfare, or community service needs. Directs staff, plans budgets, prepares reports, and often directs fund raising activities.
\$78,900 annual
Community College

LATER

Government Service Executive – Human Resources Program Administrator, Natural Resources Program Administrator
Provides overall direction and management for federal, state, and local government activities. Directs the activities of governmental agencies with the help of lower level managers.
\$172,400 annual
University

Legislator – Politician, Commissioner, Mayor
Develops, enacts, and amends laws. Studies reports and listens to opinions of constituents or interest groups to decide if a bill should become law.
\$39,600 annual
Elected to office

President of the United States – Senator, Governor
Serves as the chief executive officer overseeing the legislative, judicial, and executive branches of government. Works with legislators to set goals and organize programs to attain those goals. Signs bills into law. Encourages business investments and promotes economic development.
\$400,000 annual
Must be at least 35 years old, a natural-born citizen, and must have lived in the U.S. for at least 14 years.

Urban and Regional Planner – City Planning Aide, Program Services Planner
Devises plans that promote the best use of a community's land and resources for residential, commercial, and recreational activities. Develops long-term and short-term plans for the future growth and development of city, suburban, or rural communities.
\$62,800 annual
University (Master's degree)

Health Science

With a caring hand and an understanding ear, doctors, nurses, and dentists can be our best friends when we are not feeling well. This is a world of fast-paced action and career growth. Opportunities range from working with infants to the elderly and everything in between.

NEXT

Dental Assistant (Goldstar) – Nurse Assistant

Assists dentists by performing support duties for the treatment of patients during dental procedures.

\$33,200 annual

Career & Technical

Dental Hygienist (Goldstar) – X-ray Technician, Dental Assistant

Provides preventive dental services such as teeth cleaning and polishing, x-rays, and support services for a dentist. Advises patients on dental care.

\$59,600 annual

Community College

License required

Emergency Medical Technician/Paramedic (Goldstar) – Ambulance Driver

Drives to the scene of emergencies to give first aid treatment to sick or injured people. Transports them to medical facilities.

\$33,000 annual

Career & Technical or Community College

License required

Nurse Aid/Orderly – Home Health Aide

Works under the direction of medical staff to care for patients in health care facilities.

\$23,900 annual

Career & Technical

Certification exam may be required

Radiologic Technologist (Goldstar) – Ultrasound Technologist, Radiologic Technician

Takes radiographs (x-rays) of all parts of the human body to help diagnose illness and disease. Positions the patient, adjusts the equipment at the correct angle and height over the patient's body. Takes the x-ray, removes the film and develops it.

\$52,000 annual

Career & Technical

License Required

Registered Nurse (Goldstar) – Nurse Anesthetist, Licensed Practical Nurse

Cares for the sick and injured, and helps people stay well. Watches and records symptoms, reactions, and the progress of patients.

\$62,200 annual

Community College

License required

Veterinary Technician/Technologist - Veterinarian

Works under the supervision of a veterinarian to examine animals and give them medication. Measures and records temperature, pulse rate, and respiration. Applies, checks, and changes bandages. Performs routine laboratory tests. Prepares food for the animals.

\$26,300 annual

Career & Technical or Community College

LATER

Dentist – Endodontist, Pediatric Dentist

Examines teeth and other parts of the mouth to diagnose diseases or disorders. Examines X-rays, removes decay, repairs broken teeth, and fills cavities.

\$151,500 annual

University (First Professional degree)

License required

Family/General Practitioner Physician – Cardiologist, Dermatologist

Diagnoses illnesses, and prescribes and administers treatment for people suffering from injury or disease. Advises patients on how to prevent disease through exercise, diet, and preventive health care.

\$159,100 annual

University (First Professional degree)

License required

Internship required

Pharmacist – Radiopharmacist, Pharmacy Services Director

Prepares and dispenses prescription drugs, provides advice on the use and effects of drugs, and keeps records of customers' prescriptions.

\$102,700 annual

University (First Professional degree)

License required

Internship required

Physical Therapist – Physical Therapy Assistant, Physical Therapy Aide

Improves mobility, relieves pain, and prevents or limits permanent physical disabilities of patients suffering from injuries or disease. Provides such treatments as exercise to improve strength and endurance.

\$75,900 annual

University (Master's degree)

License required

Speech Pathologist – Voice Pathologist

Examines and treats patients with speech, language, or voice disorders such as stuttering. Evaluates test results to determine the problem and recommends treatment.

\$66,400 annual

University (Master's degree)

License required

Veterinarian

Examines, diagnosis, and treats medical problems in animals. May work with pets and/or livestock, or with laboratory animals used for research.

\$91,400 annual

University (First Professional degree)

License required

Hospitality & Tourism

From working at Disney World to McDonalds, jobs in this field allow you to meet new people all the time. In Florida, a large portion of employment is in the hospitality and tourism industry. Jobs in food service, hotels, attractions, and travel are available. Many allow for part-time work and flexibility.

NOW

Cruise Director – Travel Guide

Organizes entertainment and recreational activities for cruise ship passengers. Provides information to passengers on port tours, safety issues, and works to ensure that passengers are happy and needs are met.

\$33,100 annual

On-the-Job Training, some College recommended

Host/Hostess - Maitre d', Restaurant Attendant

Welcomes patrons to an establishment, seats them at tables, and provides them with menus. Inspects dining room serving stations and tables for neatness and cleanliness. Ensures that guests receive prompt and courteous service.

\$18,900 annual

On-the-job training

Hotel/Motel Clerk – Receptionist, Information Clerk

Registers arriving guests, assigns them rooms, and checks guests out at the end of their stay.

\$22,700 annual

High School Diploma

Meetings and Convention Planner – Hotel/Motel Manager

Coordinates the activities of staff and convention personnel to make arrangements for group meetings, conferences, and conventions.

\$44,200 annual

High School Diploma

Recreation and Amusement Attendant – Game Attendant, Caddie

Sells tickets and rents or sells equipment such as bowling shoes or golf balls. Collects fees and informs players of rules.

\$18,800 annual

On-the-job training

Tour Guide – Sightseeing Guide, Escort

Escorts individuals or groups on sightseeing tours or through places of interest, such as parks, public buildings, and art galleries. Assumes responsibility for the safety of tour patrons.

\$26,700 annual

High School Diploma

Umpire/Referee - Coach, Recreational Therapist

Officiates at competitive athletic or sporting events to make sure game rules are followed. Decides the penalty when the rules are broken.

\$33,900 annual

High School Diploma

NEXT

Coach (Goldstar) – Professional Sports Scout, Soccer Coach, Football Coach

Instructs athletes in game strategies and techniques. Prepares athletes for competition. Oversees the daily practice of players. Determines strategy during games and calls plays.

\$44,500 annual

Career & Technical or Community College

Chef – Cruise Ship Chef, Pastry Chef

Plans meals, develops menus, and prepares and cooks foods for restaurants.

\$46,900 annual

Career & Technical

Food Services Manager (Goldstar) – Cafeteria Manager, Food Services Director

Manages restaurants and cafeterias. Estimates food consumption, places orders, and schedules the delivery of fresh food and beverages.

\$55,100 annual

Career & Technical or Community College

Hotel/Motel Manager – Hospitality Manager, Front Office Manager

Coordinates the front office activities of a hotel or motel. Establishes standards for service to guests, decor, housekeeping, food quality, and banquet operations.

\$60,800 annual

Community College

Professional Athlete – Football Player, Basketball Player

Participates in professional competitive athletic events to entertain sports fans.

\$55,900 annual

Varies

Restaurant Cook - Short Order Cook, Fast-Food Cook

Prepares, seasons, and cooks soups, meats, vegetables, desserts, and other foods in restaurants. May supervise kitchen help, keep records, and price items on menu.

\$23,700 annual

Career & Technical

Travel Agent – Reservations and Ticket Agent, Travel Guide

Plans trips for travel agency customers. May specialize in foreign or domestic service, individual or group travel, specific geographical area, airplane charters, or package tours.

\$28,600 annual

Career & Technical

Human Services

Work in this field can take place in offices, hospitals, clinics, and religious organizations. You also have the option of working at a private agency or being employed by state or local government. Work hours can be irregular, but the reward you get from helping people is well worth your time.

NOW

Nanny

Cares for children in private households and provides support and expertise to parents in satisfying children's physical, emotional, intellectual and social needs. Duties may include meal planning and preparation, laundry, play activities and outings, discipline, intellectual stimulation, language activities, and transportation.

\$19,000 annual

On-the-job training

NEXT

Child Care Aide/Worker – Nursery School Attendant, Playroom Attendant

Cares for children in boarding schools, day care, hospitals, or playrooms. Plans educational and recreational activities.

\$19,500 annual

Career & Technical

Personal and Home Care Aide – Personal Attendant, Blind Aide

Helps elderly, disabled, and ill people live in their own homes instead of in a health facility. Helps clients move from bed, bathe, dress, and groom.

\$20,700 annual

Career & Technical

Social Services Technician (Human Services Worker) – Social Services Aide, Food Management Aide
Arranges transportation and activities for clients. Accompanies clients to group meal sites, adult daycare programs, recreation programs or doctors' offices.

\$29,400 annual

Career & Technical

LATER

Clergy – Minister, Priest, Mullah, Rabbi

Ministers to the spiritual needs of people. Leads religious services. Conducts wedding and funeral ceremonies. Administers sacraments, delivers sermons, and reads from sacred texts.

\$42,000 annual

University

Clinical Psychologist – Clinical Therapist, Counseling Psychologist

Studies human behavior and mental processes. Provides mental health services in private settings, hospitals, clinics, and schools.

\$67,900 annual

University (Doctoral degree)

License required

Internship required

Medical and Public Health Social Worker – Substance Abuse Counselor

Provides services for people with mental or emotional problems. Provides services such as therapy, outreach programs, and crisis intervention.

\$45,400 annual

University (Master's degree)

Mental Health Counselor – Marriage & Family Counselor, Psychologist

Works with individuals and groups to promote optimum mental health. May help individuals deal with addictions and substance abuse, family parenting, and marital problems; suicide; stress management; problems with self-esteem; and issues associated with aging, mental and emotional health.

\$40,900 annual

University (Master's degree)

Parole and Probation Officer – Preparole Counseling Aide, Correctional Treatment Specialist

Participates in release plans for prisoners and works with them after release. Conducts investigations of juvenile and adult offenders. Plans rehabilitation programs.

\$40,200 annual

University

Social Worker – Casework Supervisor, Social Group Worker

Helps individuals and families cope with problems such as inadequate housing, unemployment, or disability. Reviews eligibility requirements, fills out applications, and visits clients on a regular basis.

\$42,500 annual

University

Sociologist - Criminologist, Economist, Market and Survey Researcher

Conducts research into the development, structure, and behavior of groups of human beings. Studies patterns in culture and issues such as crime, group relations, poverty, and aging.

\$68,100 annual

University (Master's degree)

Vocational Rehabilitation Counselor – Orthotist and Prosthetist

Helps people cope with disabilities resulting from birth defects, illness or disease, accidents, or stress. Helps people get education, training, and equipment needed for employment.

\$36,100 annual

University

Information Technology

If you are the type of person who wants the latest computer gadget or wants to know just how computers think and work, information technology is for you. With advances in technology happening everyday, it stays exciting. From designing software and video games to repairing computers, this field continues to grow.

NOW

Coin and Vending Machine Repairer

Installs, services, adjusts, and repairs coin or vending machines using hand or power tools. Also cleans and oils machines and fills machines with products, money, and other supplies.

\$28,000 annual

High School Diploma

NEXT

Cartoon/Computer Animator - Computer Game Designer

Draws by hand and uses computers to create a series of pictures which, when transferred to film or tape, form the animated cartoons seen in the movies and on television.

\$52,200 annual

Career & Technical or Community College

Computer and Information Systems Manager (Goldstar) – Data Processing Manager, Computer Operations Manager

Helps businesses plan how to use the latest technology. Directs research and development of computer-related activities. Manages engineers, technicians, and computer support specialists.

\$115,800 annual

Community College

Computer Equipment Repairer – Office Machine Repairer, Electronics Mechanic

Repairs, maintains, and installs mainframes, mini computers, or personal computers. Discusses equipment problems with customers. Runs diagnostic programs to locate problems.

\$39,100 annual

Career & Technical

Computer Programmer (Goldstar) – Webmaster, Chief Computer Programmer

Develops and writes computer programs to store, locate, and retrieve information by converting raw data into coded computer language.

\$70,100 annual

Career & Technical

Computer Support Specialist (Goldstar) – Technical Support Specialist, Network Control Supervisor

Investigates and solves problems that users have with their computers. Interprets problems and gives technical advice. Talks to coworkers to research problems.

\$39,600 annual

Career & Technical

Computer Systems Analyst (Goldstar) – Quality Assurance Analyst, Computer Programmer-Analyst

Analyzes business, scientific, or technical problems and coordinates the installation of appropriate computer programs and operating systems.

\$68,700 annual

Career & Technical or Community College

Database Administrator (Goldstar) – Database Design Analyst, Information Scientist

Plans and directs the management of computer databases. Implements security measures to safeguard database information.

\$66,800 annual

Community College

LATER

Computer Hardware Engineer

Researches, designs, develops, and tests computer or computer-related equipment for commercial, industrial, military, or scientific use. May supervise the manufacturing and installation of computer or computer-related equipment and components.

\$82,900 annual

University

License required

Law, Public Safety, Corrections & Security

Open up your own law firm or work as part of a local or federal government. This career field can offer you many different opportunities with exciting tasks. You can work outside fighting fires or inside a court room defending a client.

NOW

Animal Control Worker - Dog Catcher, Animal Treatment Investigator

Handles animals for the purpose of controlling the number of stray or abandoned animals or for investigation cases of mistreatment.

\$32,700 annual

On-the-job training

Court Clerk – Courtroom Clerk, Records Clerk

Performs clerical duties in a court of law. Prepares docket or calendar of cases for judges. Contacts witnesses, attorneys, and litigants to get information for court. Keeps records of case dispositions.

\$31,700 annual

High School Diploma

Crossing Guard - Flagger

Guides or controls vehicles and pedestrian traffic at street corners, school crossings, and construction sites.

\$21,700 annual

On-the-job training

NEXT

Correctional Officer (Goldstar) – Jailer, Immigration Guard

Keeps order within correctional institutions, watches inmates, and enforces rules. Searches inmates and their cells for weapons, drugs, or fire hazards.

\$40,300 annual

Career & Technical

License required

Court Reporter (Goldstar) – Shorthand Reporter, Stenographer, Caption Writer

Uses a stenotype machine to take dictation of letters, reports, or statements made in official proceedings. Transcribes word-for-word reports on a word processor.

\$39,000 annual

Career & Technical

Emergency Vehicles Dispatcher – Protective-Signal Officer, Telecommunicator

Receives calls from the public for emergency help. Questions callers to find out the type and location of the emergency. Sends police, fire, or ambulance units to the scene of the emergency.

\$36,600 annual

Career & Technical

Fire Fighter (Goldstar) – Forest Fire Fighter, Fire Chief's Aide

Works as a member of a team to control and put out fires and to protect lives and property from fire hazards. Connects hoses to hydrants, operates pumps, and places ladders where needed to rescue victims.

\$46,400 annual
Career & Technical

Fire Investigator - Fire Inspector, Arson Investigator
Analyzes evidence and other information to determine causes of fires or explosions. May testify in court cases and swear out warrants for suspected arsonists.

\$56,700 annual
Career & Technical

Legal Technician (Paralegal) (Goldstar) – Legal Investigator, Patent Agent
Assists lawyers by researching legal decisions, investigating facts, or preparing legal documents. Conducts research to support a legal proceeding, to prepare a defense, or to begin legal action.

\$45,700 annual
Career & Technical or Community College

Police Patrol Officer (Goldstar) – Border Guard, State Highway Patrol Officer
Enforces laws and regulations designed to protect life and property. Maintains order in an assigned district. Apprehends criminals, collects evidence, and gives testimony in court. Directs traffic, issues traffic tickets, and makes arrests.

\$51,700 annual
Career & Technical
License required

Private Investigator - Security Guard, Fish and Game Warden, Bailiff
Gathers evidence for cases in matters such as divorce, child custody, and missing persons. Examines crime scenes for clues and identifies and apprehends theft suspects and turns them over to authorities.

\$38,300 annual
Community College
License Required

LATER

FBI Agent – Cyber Detective, Crime Scene Technician
Investigates white-collar crime, organized crime, and violent crimes. Gathers foreign counterintelligence and investigates terrorist activities that affect the security of the United States.

\$49,800 annual
University and training at the FBI Academy

Lawyer – District Attorney, Public Defender
Advises individuals and businesses on legal matters. Consults with clients to determine the details of their problem, advises them of the law, and suggests action.

\$111,200 annual
University (First Professional degree)
License required

Manufacturing

Assembling products and operating machines is what it's all about. You can work in a big factory operating a textile machine or install the electronics system on an airplane. While some jobs allow you to learn through On-the-job Training, the growth of technology in factories calls for workers who have technical skills.

NOW

Electric Meter Installer/Repairer – Inside Meter Tester

Installs electric meters on customer's premises or on poles. Tests meters and performs necessary repairs. Turns current on/off by connecting/disconnecting service connections.

\$30,300 annual

On-the-job training

NEXT

Civil Engineering Technician (Goldstar) – Facilities Planner, Parking Analyst

Helps civil engineers plan and build highways, bridges, buildings, and other structures. Prepares drawings and performs land-surveying duties on work sites.

\$46,100 annual

Community College

Electronic Engineering Technician – Electronics Assembler, Microelectronics Technician

Works with electrical engineers to help design, develop, build, and test electrical and electronic equipment such as radios, radar, sonar, navigational equipment, and computers. Uses diagnostic devices to test and repair equipment.

\$51,300 annual

Community College

Electrical/Electronics Repairer (Goldstar) – Field Service Engineer, Avionics Technician

Installs, tests, repairs, and services electronic equipment used in business, industry, and homes. Uses testing devices to find problems. Interprets wiring diagrams to trace and connect wires.

\$45,000 annual

Career & Technical

Industrial Machinery Mechanic (Goldstar) – Automotive Maintenance Equipment Servicer, Hydraulic Repairer

Maintains and repairs machinery such as engines, motors, pneumatic tools, conveyor systems, and production equipment.

\$43,700 annual

Career & Technical

Machinery Maintenance Worker – Equipment Cleaner and Tester, Overhead Cleaner Maintainer

Does routine maintenance, cleaning, and overhaul of production machinery. Changes parts such as blades, rollers, or bearings.

\$37,800 annual

Career & Technical

Machinist – Automotive Machinist, Rocket Motor Mechanic

Sets up and operates computerized machine tools and uses shop drawings to make or repair metal parts for cars, machines, and other equipment. Checks work with precision measuring tools, such as micrometers and calipers.

\$34,500 annual

Career & Technical

Apprenticeship

Mechanical Engineering Technician – Aerospace Engineering Technician, Heat-Transfer Technician

Helps mechanical engineers design, develop, test, and build industrial machinery or mechanical parts. Makes a sketch of the assembly process and the parts to be manufactured.

\$46,200 annual
Community College

Purchasing Agent (Goldstar) – Contracts Manager, Outside Property Agent
Directs and manages activities involved with purchasing goods and services for an organization.
\$53,300 annual
Community College

Welder/Cutter (Goldstar) – Arc Cutter, Combination Welder
Uses hand-held welding equipment and torches to weld together or repair metal parts used in buildings, bridges, and other structures or to join pipes in pipelines, power plants, and refineries.
\$34,000 annual
Career & Technical

Marketing, Sales, & Service

How are your communication skills? Are you good at promoting products and services? Occupations in this cluster give you a wide range of choices. You can do many things from floral designing to selling real estate.

NOW

Advertising Sales Agent (Goldstar) – Radio and Television Time Salesperson, Graphic Art Salesperson
Sells or solicits advertising such as art work for print ads, time on radio and TV, or space in newspapers, magazines, or on billboards.
\$49,400 annual
High School Diploma

Driver/Sales Worker – Lunch Truck Driver, Newspaper Delivery Driver
Drives over assigned routes to deliver and sell goods to stores or businesses around town.
\$27,200 annual
High School Diploma &
License required

Retail Sales Person – Layaway Clerk, Books Salesperson
Sells a variety of products to customers in stores, makes change, and bags purchases.
\$27,500 annual
High School Diploma

NEXT

Fashion Designer - Costume Designer, Visual Merchandiser
Designs clothing and accessories for manufacturers and for sale directly to the public. May create new designs or follow established fashion trends.
\$55,100 annual
Career & Technical

Floral Designer/Florist – Fashion Designer, Merchandise Displayer
Cuts and arranges fresh, dried, or artificial flowers. Works from a customer's order stating type of arrangement, colors, price, and the date and place the arrangement is to be delivered.
\$25,700 annual
Career & Technical

Hairdresser/Cosmetologist – Manicurist, Barber

Shampoos, cuts, and styles hair, wigs or hairpieces and advises on hair care. Advises on the use of make-up. Keeps a record of products used by regular customers.

\$27,100 annual

Career & Technical

License required

Interior Designer (Goldstar) – Graphic Designer, Set and Exhibit Designer

Plans the space and furnishings of interiors of homes, business offices, restaurants, hotels, and theaters. Develops designs and prepares drawings for furnishings and lighting.

\$48,200 annual

Career & Technical

License required

Marketing Manager (Goldstar) – Media Marketing Director, Fashion Coordinator

Researches the demand and sale of products and services and identifies potential customers. Determines the need for advertising and keeps track of customer accounts. Oversees the creative and promotional services.

\$111,500 annual

Community College

Real Estate Sales Agent (Goldstar) – Building Consultant, Real Estate Broker

Helps people buy, sell, or rent a home, commercial building, or other property. Interviews prospective clients, shows property, and prepares real estate contracts.

\$49,000 annual

Career & Technical

License required

Wholesale and Retail Buyer – Department Store Buyer, Fashion Buyer

Buys goods for resale in wholesale or retail stores. Visits showrooms to select merchandise. Uses computers to get up-to-date price listings, track inventory, and process orders.

\$53,200 annual

Community College

LATER

Advertising Manager – Account Executive, Promotion Manager

Plans and directs advertising policies and programs to create or promote interest in a product or service.

\$96,300 annual

Community College or University

Science, Technology, Engineering & Mathematics

Would you like to work in a laboratory with bubbling beakers and test tubes? If you like doing your annual science fair project, this career field may be right up your alley. Theories, hypotheses, and mathematical skills are all part of the job.

NEXT

Chemical Technician – Laboratory Technician, Laboratory Tester

Helps chemists develop and use chemicals and equipment. Tests strength or quality of such products as foods, fertilizer, detergents, or paper.

\$38,600 annual

Career & Technical or Community College

Forensic Science Technician – Forensic Ballistics Expert

Collects, identifies, classifies, and analyzes physical evidence related to criminal investigations.

\$44,800 annual

Career & Technical

Surveying Technician (Goldstar) – Chief, Instruments Surveyor Assistant

Helps surveyors obtain land survey data such as angles, elevation points, and contours using electronic distance measuring equipment. Makes sketches of data obtained, compiles notes, and records data.

\$34,400 annual

Career & Technical

Apprenticeship

LATER

Aerospace Engineer – Aerodynamicist, Aeronautical Design Engineer

Designs, develops, tests, and helps make aircraft, missiles, and spacecraft. Develops new technologies for use in commercial aviation, defense systems, and space exploration.

\$82,700 annual

University

License required

Chemist – Food Chemist, Laboratory Supervisor

Researches the composition of chemicals and chemical reactions to create new and improved products such as paint, rubber, plastics, adhesives, cosmetics, and foods. May research processes that save energy or reduce pollution.

\$58,200 annual

University

Civil Engineer – Airport Engineer, Transportation Engineer

Plans and designs roads, airports, tunnels, bridges, water supply and sewage systems, and buildings.

May specialize in water resources, environmental, construction, transportation, or structural engineering.

\$79,900 annual

University

License required

Geoscientist – Hydrologist

Studies physical aspects of the earth, including the atmosphere.

\$65,600 annual

University (Master's degree)

Industrial Engineer – Fire Prevention and Protection Engineer, Product Safety Engineer

Determines the most effective ways for an organization to use the basic factors of production - people, machines, materials, information, and energy - to make or process a product. Designs manufacturing systems.

\$69,900 annual

University

License required

Mechanical Engineer – Solar Energy Systems Designer, Automotive Engineer

Plans and designs power-producing machines such as engines and power-using machines such as air-conditioning equipment. Oversees the manufacture and testing of electric generators, combustion engines, and steam and gas turbines.

\$75,600 annual

University

License required

Meteorologist – Weather Observer, Environmental Science Technician

Studies the atmosphere to prepare weather reports and forecasts. Uses information from weather stations, weather balloons, satellites, radar, Doppler radar, and other observers in many parts of the world.

\$73,700 annual

University

Microbiologist – Biological Scientist

Researches and studies the growth, structure, development, and general characteristics of bacteria and other microorganisms. Uses computers to record and analyze data.

\$58,600 annual

University (Master's degree or higher)

Transportation, Distribution & Logistics

Would you like getting people or products from one place to another by land, air, or sea? Check out these occupations.

NOW

Flight Attendant – Transportation Attendant, Ramp Flight Attendant

Attends to passengers' comfort and safety on airplanes. Checks supplies and equipment and instructs passengers on safety procedures.

\$54,500 annual

High School and On-the-job airline training program

Postal Mail Carrier – Rural Mail Carrier, Postal Service Clerk

Sorts mail for delivery and delivers mail along an established route by vehicle or on foot.

\$45,900 annual

High School Diploma

NEXT

Air Traffic Controller – Air Transportation Dispatcher, Chief Controller

Keeps track of planes flying in an assigned area to make sure that planes stay at a safe distance apart. Gives pilots instructions during take-off and landing.

\$115,000 annual

Career & Technical

Certification required

Aircraft Mechanic – Aircraft Body Repairer, Airframe and Power Plant Mechanic

Inspects, repairs, and maintains aircraft according to guidelines required by the Federal Aviation Administration (FAA).

\$49,300 annual

Career & Technical

Aircraft Pilot/Flight Engineer

Flies airplanes and helicopters to transport passengers and cargo. Before departure, talks with flight dispatchers and aviation weather forecasters to find out about weather conditions on the route and at the final destination.

\$151,000 annual

Community College

License required

Automobile Mechanic (Goldstar) – Transmission Mechanic, Brake Repairer

Maintains and repairs vehicles such as cars and vans. Gets a description of the problem, diagnoses the source of the problem, and makes adjustments or repairs.

\$36,100 annual

Career & Technical

Apprenticeship

Automotive Body Repairer – Automobile Body Customizer, Automotive Glass Installer/Repairer

Repairs and refinishes vehicle bodies. Straightens bent frames, smoothes out dents and creases, and replaces parts that cannot be repaired. Installs custom equipment.

\$38,400 annual

Career & Technical

Diesel Engine Mechanic (Goldstar) – Maintenance Mechanic, Industrial Truck Mechanic

Services and repairs engines of industrial vehicles and machinery such as bus, truck, tractor, train, and boat engines. Reads job orders and manuals.

\$41,900 annual

Career & Technical

Apprenticeship

Heavy Truck Driver (Goldstar) – Tractor-Trailer-Truck Driver, Tow-Truck Operator

Drives trucks that weigh 3 tons or more to move freight from one place to another. Checks fuel, oil, brakes, lights, and safety equipment.

\$35,500 annual

Career & Technical

License required

Motorcycle Mechanic - Motorboat Mechanic, Small Engine Mechanic

Repairs and overhauls motorcycles, motor scooters, mopeds, and similar motorized vehicles by replacing defective parts, hammers out dents, and welds cracks and breaks.

\$36,400 annual

Career & Technical

Ship Captain – Fishing Vessel Captain, Yacht Captain

Pilots water vessels that travel into and out of harbors, rivers, lakes, and oceans. Supervises the crew. Sets course and speed, maneuvers the vessel to avoid hazards, and determines the ship's position using navigation aids and charts.

\$55,000 annual

Career & Technical

License required

Budgeting Is Common Cents

Now that you have some careers in mind, let's see how much money you need to live. For this exercise, let's assume that you are a single person living on your own in an apartment.

Gross Monthly Employment Income

- Step One:** Choose an occupation and then list the salary amount.
- Step Two:** How much money will you earn each month? Your math skills come in handy here. Take the hourly salary of the career that you have chosen and multiply by two thousand and eighty hours, (40 hours per week times 52 weeks per year). If the salary is listed as Annual, go to the next line.
- Step Three:** Take that total and divide it by 12. Presto! You now know how much money you will earn in a month. List the monthly amount.
- Step Four:** The government takes out money like Social Security and withholding taxes to pay for benefits and services. The salary minus Social Security and withholding taxes equals your take home pay. To figure YOUR net take home pay, you need to take out 23 percent of your salary per month. Multiply your salary per month by 23 percent and then list the amount of social security and withholding taxes.
- Step Five:** Subtract your Social Security and withholding taxes from your monthly salary to find your net take home pay. List that amount.

Budgeting is important to get a sense of where you're actually spending your money and where you might be able to save or cut back. Plan a sample budget below.

Sample Monthly Expenses

Rent	\$650
Utilities	\$125
Food	\$200
Clothing	\$50
Transportation	\$250
Entertainment	\$50
Miscellaneous (cell phone, Internet, snacks, etc.)	\$125
Health Insurance	\$100
Savings (calculate 10 percent of monthly income)	\$_____

- Step Six:** Add all the expenses to find your Total Monthly Expenses.
- Step Seven:** Subtract your Total Monthly Expenses from your take-home pay to get your balance.

Will you make enough money to live on each month?

What Do Middle School Students Need To Know About Financial Aid?

High school graduation and postsecondary education and training may not even be on your radar screen at this point. However, early planning can help you decide how you will pay for your postsecondary education. The Florida Department of Education, Office of Student Financial Assistance (OSFA) can help. OSFA administers state-funded financial aid programs and guarantees Federal Family Education Loans.

State of Florida Scholarships and Grants

Merit program

The Florida Bright Futures Scholarship rewards high school grads for their academic achievement.

Need programs

The largest is the Florida Student Assistance Grant. Awards are based upon the student's family income as reported on the Free Application for Federal Student Aid (FAFSA). The Florida Work Experience Program helps to employ students in occupations that complement their career goals.

Tuition Assistance programs

The William L. Boyd, IV, Florida Resident Access Grant and the Access to Better Learning in Education Grant provide grants to assist with the cost of tuition and fees at eligible private non-profit and for-profit Florida postsecondary institutions.

Federal Family Education Loan Program (FFELP)

A good education is worth the investment. The Federal Education Loans are made to students and parents by lenders and guaranteed by OSFA. Check out these types of Federal Family Education Loans:

Subsidized Stafford Loan

For students who demonstrate financial need.

Unsubsidized Stafford Loan

For students who do not demonstrate sufficient financial need. This loan can be used to supplement a Subsidized Stafford Loan.

PLUS Loan

For eligible parents of a dependent undergraduate student.

Consolidation Loan

For borrowers who want to combine their outstanding education loans into a single loan with a single monthly payment.

Want more info on loans? Call 1-800-366-3475 or click on www.FloridaStudentFinancialAid.org

Making it to the Pros . . . the Competition is Fierce!

The chances of a high school athlete making it to the professional level are very low.

With less than 1% of high school athletes ever making it into professional sports, you need a career plan just in case you don't make the cut. If you are lucky enough to make it as a professional athlete, you'll have a limited number of years to perform before age and possible injuries begin to limit your competitiveness. So, think about a back-up plan for the future.

If you think you have the talent and commitment to work hard and make it to the pros, you should follow your dream. If you land an athletic scholarship to play in college, you'll need to keep up your grades. But, keep that back-up plan in mind as you plan your major.

Check out these numbers according to the National Collegiate Athletic Association (NCAA) to get an idea of the odds of making it to the pros.

WOMEN'S BASKETBALL:

High school senior athletes	129,408
NCAA college senior athletes	3,355
What are the odds of making it to the pros?	5,000 to 1
How many make it?	32

There are 13 teams in the WNBA with a total of 156 women

MEN'S BASKETBALL:

High school senior athletes	156,096
NCAA college senior athletes	3,682
What are the odds of making it to the pros?	10,000 to 3
How many make it?	44

The NBA has 30 teams with a total of 450 players

MEN'S FOOTBALL:

High school senior athletes	306,221
NCAA college senior athletes	13,612
What are the odds of making it to the pros?	10,000 to 8
How many make it?	250

The NFL has 34 teams with a total of 2,720 players.

MEN'S BASEBALL:

High school senior athletes	134,477
NCAA college senior athletes	6,393
What are the odds of making it to the pros?	200 to 1
How many make it?	600

Major League Baseball has 30 teams with a total of 1200 players

Your back-up plan could still keep you in the world of sports. Take a look at these:

Athletic Coach
Athletic Dietician & Nutritionist
Athletic Trainer
Phys Ed. Teacher
Physical Therapist
Sports Marketer
Sports or Athletic Club Manager
Umpire/Referee

Be a Goal Setter

You set goals for one reason – to help you get what you want. Setting goals will help you take control of what happens to you now and in the future.

For a goal to be real it has to be:

- important to you.
- within your power to make it happen through your own actions.
- something you have a reasonable chance of achieving.

Most importantly, it must be clearly defined and have a specific plan of action. You can set goals for different things in your life. It may be for things you like to do, what you want to accomplish, how you want to spend your time and many other things. For now, let's think about goals in three areas: school, future education, and career goals. List a goal in each of the areas and include what you can do today and in the future to achieve the goal.

SCHOOL GOALS

My goal:

What I can do today:

What I need to do in the future:

FUTURE EDUCATION GOALS

My goal:

What I can do today:

What I need to do in the future:

CAREER GOALS

My goal:

What I can do today:

What I need to do in the future:

Short-term goals are ones that you will achieve in the near future (e.g., in a day, within a week, or possibly within a few months).

Long-term goals are ones that you will achieve over a longer period of time (e.g., one semester, one year, five years, or twenty years).

Don't Leave Your Future To Chance!

Take Control of Your Future

www.flchoices.org

It's All About You!

Discover Your Interests, Values, and Skills:

Interest Profiler - What kind of things do you like to do?

Work Values Sorter - What's important to you in a job?

Basic Skills Survey - What skills do you have now?

Explore Your Options!

Match your interests and needs to the following:

650+ careers

8,000+ postsecondary schools

2,000+ scholarships

Plan Your Future!

Build a portfolio with these tools:

Resume Builder

Letter Creator

Job search and Interview Activities

Now available in Spanish on the CHOICES website. Just click the word "Español" when you log in.

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