

College & Career Week

Career Clusters

This document contains information on many different career categories. Our hope is that this helps you start the conversation about college and career with your kids at home. It's time for ABES students to **dream big and work hard!**



The Path To Becoming...
AN AGRICULTURE, FOOD & NATURAL RESOURCES PROFESSIONAL

GREENHOUSE MANAGER

Manages big commercial greenhouses with plants and harvest plants, primarily flowers and fruits. A greenhouse manager's main duty is to ensure that the greenhouse will produce the greatest number of plants that are healthy and ready to sell.

CERTIFICATE
HIGH SCHOOL DIPLOMA OR STUDY AGRICULTURE COURSE

VETERINARY TECHNICIAN

Assists veterinarians in diagnosing and treating medical conditions in animals. A veterinary technician works with all kinds of animals, and takes care of them in ways that are safe, quick, and comfortable. Veterinarians depend on their staff to identify and treat problems. They help the veterinarian with their testing and report on the results to the veterinarian or animal owner.

CERTIFICATE
HIGH SCHOOL DIPLOMA OR STUDY VETERINARY AND ANIMAL SCIENCE

PARK RANGER

Manages park visitors and resources each week. A park ranger teaches visitors about the park, leads programs that use plants, water, people, and animals, and guides the visitors and children to see some of the park's features. Park rangers make sure that the park and its resources are safe and well-maintained.

BACHELOR'S
HIGH SCHOOL DIPLOMA OR STUDY ENVIRONMENTAL AND NATURAL RESOURCES MANAGEMENT

College: You can get started from here.

The Path To Becoming...
AN ARCHITECTURE & CONSTRUCTION PROFESSIONAL

SOLAR INSTALLER

Installs solar energy systems for homes or larger buildings. A solar installer has to understand how the solar system will work, and other parts of the house, of houses and air conditioning, making sure that the solar panels are safely installed.

CERTIFICATE
HIGH SCHOOL DIPLOMA OR STUDY ELECTRICAL, MECHANICAL, & PLUMBING SYSTEMS

ENGINEERING TECHNICIAN

Works with engineers to design, develop, and construct or maintain equipment or products or processes. Engineering technicians help the engineer with the design and construction of a product or machine. They may be in charge of testing or a factory or machine shop or repair shop.

CERTIFICATE
HIGH SCHOOL DIPLOMA OR STUDY ENGINEERING

CONSTRUCTION MANAGER

Manages a construction project from project planning through completion. A construction manager makes sure that the construction company is staying within the budget and that the construction company's workers are able to work together to get the project completed on time and on budget. It's important for a construction manager to be organized and able to make decisions and solve problems that are required.

BACHELOR'S
HIGH SCHOOL DIPLOMA OR STUDY ARCHITECTURE & CONSTRUCTION, ARCHITECTURE

College: You can get started from here.

The Path To Becoming...

AN ARTS, AUDIO/VIDEO TECHNOLOGY & COMMUNICATION PROFESSIONAL

GRAPHIC DESIGNER



Works with text and images to create design for printed material or web sites. A graphic designer might design a report or website, create a brochure, or work on an advertising campaign. Graphic designers can use art design and writing software to make their designs look better.

TCAT

HIGH SCHOOL PROGRAM OF STUDY: VISUAL ARTS & DESIGN

BROADCAST TECHNICIAN



Works with light and sound technologies to create video coverage of events and produce programming. A broadcast technician might film and produce entertainment, news coverage or music videos, or create promotional videos for businesses and work on company websites.

ASSOCIATE

HIGH SCHOOL PROGRAM OF STUDY: PROFESSIONAL APPLICATIONS

FASHION DESIGNER



Creates designs for clothing, shoes, accessories, and interiors. A fashion designer might work in a studio and then oversee the fabric and laborers to make their design come to life. Some fashion designers work directly on-site for a 24-hour clothing store, from their own brand and work in their own.

BACHELOR'S

HIGH SCHOOL PROGRAM OF STUDY: FASHION DESIGN

Maybe... You can get there from here. COLLEGEPORT 2016

The Path To Becoming...

A BUSINESS MANAGEMENT & ADMINISTRATION PROFESSIONAL

ADMINISTRATIVE ASSISTANT



Performs administrative work in an office. An administrative assistant manages files, responds to phone calls and emails, makes appointments, and prepares meetings. Administrative assistants keep an office running smoothly. They make sure the office is a place where people can do their best work.

TCAT

HIGH SCHOOL PROGRAM OF STUDY: OFFICE MANAGEMENT

OPERATIONS MANAGER



Manages daily operations and activities for a company. The operations manager oversees daily activities and manages staff, then reports on their progress to the company's senior managers. Operations managers ensure that equipment, materials, and budgets are all used to meet the company's goals.

ASSOCIATE

HIGH SCHOOL PROGRAM OF STUDY: BUSINESS MANAGEMENT

HUMAN RESOURCES MANAGER



Manages employees as human resources for a company or organization, including the recruiting, hiring, and training of employees. Human resources managers make sure that employees are fairly paid and help workers find the best resources plans and job training. Human resources managers are people who enjoy being around and working with different people every day.

BACHELOR'S

HIGH SCHOOL PROGRAM OF STUDY: BUSINESS MANAGEMENT

Maybe... You can get there from here. COLLEGEPORT 2016

The Path To Becoming...

AN EDUCATION & TRAINING PROFESSIONAL

EARLY CHILDHOOD EDUCATOR



Works with young children (usually ages 3 - 5) in day-care centers and preschools. An early childhood educator might be responsible for developing and implementing lesson plans for each child, and for providing a safe and stimulating environment for their learning.

TCAT

HIGH SCHOOL PROGRAM OF STUDY: EARLY CHILDHOOD EDUCATION CAREER CENTER

TEACHER ASSISTANT



Assists classroom teachers by providing extra individual attention and instruction to students. A teacher assistant is sometimes called a paraprofessional and they work one-on-one with a student with learning needs, or in small groups working on activities with groups of struggling students.

ASSOCIATE

HIGH SCHOOL PROGRAM OF STUDY: TEACHERS & PROFESSIONALS

MIDDLE SCHOOL TEACHER



Teaches middle school students, usually in grades 6 - 8, in a public or private school. Many middle school teachers specialize in one of the subjects. The subject or subjects is related to teaching middle school teachers might monitor students, teach a lesson, or advise a club.

BACHELOR'S

HIGH SCHOOL PROGRAM OF STUDY: TEACHING & PROFESSIONALS

Maybe... You can get there from here. COLLEGEPORT 2016

The Path To Becoming...

A FINANCIAL PROFESSIONAL

BOOKKEEPER



Keeps records of accounts and financial transactions. A bookkeeper might work for a single business or help several businesses keep track of their expenses, payroll, and profits. The information that the bookkeeper makes is later used by accountants for more and financial reports.

TCAT

HIGH SCHOOL PROGRAM OF STUDY: ACCOUNTING

INSURANCE POLICY CLERK



Provides and explains information for insurance and provides information to clients and agents. An insurance policy clerk works with customers to explain insurance policies and help them understand the details of their insurance. They also help customers with the details of a policy, such as how much the policy will cost and how much the policy will pay out. They also help customers understand what the policy will pay out.

ASSOCIATE

HIGH SCHOOL PROGRAM OF STUDY: BANKING AND FINANCE

ACCOUNTANT



Prepares and maintains financial records for companies. An accountant helps businesses make sure that they are paying the right amount of taxes and that all of their financial paperwork is filed correctly for the government. Accountants also need to work on spreadsheets, maintain other a file, issue financial reports, and assist in every other way.

BACHELOR'S

HIGH SCHOOL PROGRAM OF STUDY: ACCOUNTING

Maybe... You can get there from here. COLLEGEPORT 2016

The Path To Becoming...

A GOVERNMENT & PUBLIC ADMINISTRATION PROFESSIONAL

MAIL CARRIER



Delivers mail to homes and businesses, sorts stamps and other mailing requests. A mail carrier will often visit a client's home so that they can receive mail in residential and business communities. To become a mail carrier, you will need to pass a civil service exam. Following your appointment as a TCAT mail carrier, you have the option of being early called to pass the exam with flying colors.

TCAT

HIGH SCHOOL PROGRAM OF STUDY: PUBLIC ADMINISTRATION AND GOVERNMENT

LEGISLATIVE AIDE



Works in the office of state legislators, and provides clerical services. Legislative aides provide support, research, and analysis to state legislators. It is important that legislative aides have excellent organizational and communication skills. Legislative aides also provide administrative support to legislators and their staffs.

ASSOCIATE

HIGH SCHOOL PROGRAM OF STUDY: PUBLIC ADMINISTRATION AND GOVERNMENT

POLICY ANALYST



Provides expertise on government policy in a particular area. A policy analyst often researches the issues that may affect community or state or being considered in state, local, or federal government. Policy analysts work closely with elected officials and non-profit organizations to get their policies or change laws.

BACHELOR'S

HIGH SCHOOL PROGRAM OF STUDY: PUBLIC ADMINISTRATION AND GOVERNMENT

College. You can get there from here. COLLEGEPORT.ORG

The Path To Becoming...

A HEALTH SCIENCE PROFESSIONAL

CERTIFIED NURSING ASSISTANT



Assists registered nurses with patient care, including providing patient education, monitoring vital signs, and providing and documenting patient care. Certified nursing assistants also help with patient care.

TCAT

HIGH SCHOOL PROGRAM OF STUDY: HEALTH SERVICES

MEDICAL LABORATORY TECHNICIAN



The Medical Laboratory Technician (MLT) works in a laboratory or doctor's office to assist in the diagnosis of disease. A medical laboratory technician works in a laboratory or a doctor's office to assist.

ASSOCIATE

HIGH SCHOOL PROGRAM OF STUDY: SCIENTIFIC RESEARCH

ATHLETIC TRAINER



Athletic Trainers report to a licensed physician and work with other medical staff and coaches to ensure that athletes are ready to play, maintain proper diets, and receive proper treatment in the event of an injury or injury. They evaluate the condition of athletes, assist with stretching, taping and taping, and use their knowledge of sports related injuries to diagnose and treat athletes.

BACHELOR'S

HIGH SCHOOL PROGRAM OF STUDY: SPORTS AND HUMAN PERFORMANCE

College. You can get there from here. COLLEGEPORT.ORG

The Path To Becoming...

A HOSPITALITY & TOURISM PROFESSIONAL

KITCHEN MANAGER



Supervises food preparation staff in a restaurant or dining hall. The kitchen manager makes sure that the kitchen is set up for operation, cleanliness, and safety. The kitchen manager also monitors food quality, nutrition, and safety. A kitchen manager makes a lot about working, but also manage the food purchase and the other workers in a kitchen.

TCAT

HIGH SCHOOL PROGRAM OF STUDY: COOKING ARTS

EVENT SPECIALIST



Coordinates professional and social events, including conferences and trade shows. An event specialist might have a meeting in a conference room, a reception party, a banquet, or a social event. Event specialists help get the party started.

ASSOCIATE

HIGH SCHOOL PROGRAM OF STUDY: HOSPITALITY AND TOURISM MANAGEMENT

HOTEL MANAGER



Manages a hotel, including guest services and the operation and budget of a hotel. Hotel managers focus on their guests to ensure a positive experience, and that the hotel runs smoothly and efficiently. They manage the hotel's budget.

BACHELOR'S

HIGH SCHOOL PROGRAM OF STUDY: HOSPITALITY AND TOURISM MANAGEMENT

College. You can get there from here. COLLEGEPORT.ORG

The Path To Becoming...

A HUMAN SERVICES PROFESSIONAL

COSMETOLOGIST



Provides hair, nails, skin care, and other beauty services to customers. A cosmetologist works in a salon, beauty shop, or spa. Cosmetologists may also work in other settings, such as in a hotel or in a spa.

TCAT

HIGH SCHOOL PROGRAM OF STUDY: COSMETOLOGY

DIETETIC ASSISTANT



Assists dietitians in providing food services and nutrition education programs. A dietetic assistant plans meals and can teach others about eating healthy and getting the right amounts of vitamins, minerals, and protein every day.

ASSOCIATE

HIGH SCHOOL PROGRAM OF STUDY: DIETETICS AND NUTRITION

SOCIAL WORKER



Works with families and clients to deal with difficult situations and to solve problems and their emotional distress. Social workers work directly with people who are in need and help to support different people through challenging situations.

BACHELOR'S

HIGH SCHOOL PROGRAM OF STUDY: HUMAN AND SOCIAL SCIENCES

College. You can get there from here. COLLEGEPORT.ORG

The Path To Becoming...

AN INFORMATION TECHNOLOGY PROFESSIONAL

WEB DESIGNER



Develops websites for companies and organizations. A web designer makes sure that it's easy to navigate information on the client's web site through easy-to-use design. They are also in charge of preparing content and, when necessary, they also have computer training to answer any hard questions about the site.

TECH

HIGH SCHOOL PROGRAM OF STUDY: WEB DESIGN

NETWORK AND COMPUTER SYSTEMS ADMINISTRATOR



Manages computer networks and installations in offices, schools, or organizations. They monitor and maintain a network and troubleshoot computer issues in the network and systems. They also have to deal with a broken computer and restore the hard drive and network and software.

ASSOCIATE

HIGH SCHOOL PROGRAM OF STUDY: COMPUTER SCIENCE

SOFTWARE DEVELOPER



Develops the applications that other people use to specific tasks on a computer or another device. A software developer in the computer field creates computer programs, including games and programs, or develops systems that run devices or control vehicles.

BACHELOR'S

HIGH SCHOOL PROGRAM OF STUDY: COMPUTER SCIENCE

Maybe You can get there from here. COLLEGEPORT.ORG

The Path To Becoming...

A LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY PROFESSIONAL

POLICE OFFICER



Enforce the law and keep order, maintain public safety, and provide protection and support in the community. A police officer is required to attend specific law courses that allow them to receive training, traffic laws, ethics, and more. Police officers are not allowed to use force to arrest unless a person is in danger or has committed a crime.

TECH OR POLICE ACADEMY

HIGH SCHOOL PROGRAM OF STUDY: POLICE OFFICER AND DETECTIVE TRAINING

PARALEGAL



Assists attorneys and law firms with a variety of legal research, legal writing, and other tasks. They are responsible for legal research and writing, in addition to other tasks such as preparing legal documents and filing. They also have to deal with a broken computer and restore the hard drive and network.

ASSOCIATE

HIGH SCHOOL PROGRAM OF STUDY: POLICE LAW

FORENSIC SCIENCE TECHNICIAN



Collects, analyzes, and interprets scientific evidence during the investigation of crimes. They are responsible for collecting and analyzing evidence in the field of a crime scene, including fingerprints, DNA, and other evidence. They also have to deal with a broken computer and restore the hard drive and network.

BACHELOR'S


HIGH SCHOOL PROGRAM OF STUDY: FORENSIC SCIENCE AND POLICE OFFICER TRAINING

Maybe You can get there from here. COLLEGEPORT.ORG

The Path To Becoming...

A TRANSPORTATION, DISTRIBUTION, & LOGISTICS PROFESSIONAL

AUTO BODY TECHNICIAN




Repairs and restores damaged vehicles such as dents and scrapes, and replaces and repairs the engine, suspension, and other parts. They also have to deal with a broken computer and restore the hard drive and network.

TECH

HIGH SCHOOL PROGRAM OF STUDY: AUTO BODY REPAIR

CARGO AND FREIGHT AGENT




Manages shipments of cargo or freight for companies or clients. They are responsible for arranging and handling shipments, including the paperwork and the actual shipping process. They also have to deal with a broken computer and restore the hard drive and network.

ASSOCIATE

HIGH SCHOOL PROGRAM OF STUDY: LOGISTICS

AIRLINE PILOT



Operates and maintains commercial, private, or military aircraft. They are responsible for flying the aircraft, including the paperwork and the actual flying process. They also have to deal with a broken computer and restore the hard drive and network.

BACHELOR'S

HIGH SCHOOL PROGRAM OF STUDY: AVIATION

Maybe You can get there from here. COLLEGEPORT.ORG

The Path To Becoming...

AN ADVANCED MANUFACTURING PROFESSIONAL

WELDER



Uses welding equipment to create or repair products of metal together. They are responsible for creating and repairing metal products, including pipes, tanks, and other structures. They also have to deal with a broken computer and restore the hard drive and network.

TECH

HIGH SCHOOL PROGRAM OF STUDY: WELDING

ELECTRONIC TECHNICIAN



Manages and repairs electronic equipment and electronic systems. They are responsible for installing, testing, and repairing electronic equipment, including computers, printers, and other devices. They also have to deal with a broken computer and restore the hard drive and network.

ASSOCIATE

HIGH SCHOOL PROGRAM OF STUDY: ELECTRONIC TECHNOLOGY

PRODUCTION MANAGER



Manages and oversees the manufacturing of products in a company. They are responsible for creating and managing the production process, including the paperwork and the actual production process. They also have to deal with a broken computer and restore the hard drive and network.

BACHELOR'S

HIGH SCHOOL PROGRAM OF STUDY: MANUFACTURING

Maybe You can get there from here. COLLEGEPORT.ORG

The Path To Becoming...

A MARKETING PROFESSIONAL

FLORAL DESIGNER



Works with flowers and greens to create displays. A floral designer might take on a large event, like a wedding or funeral, and must work with clients to create the designs they want on a specific budget.

TCAT

HIGH SCHOOL PROGRAM OF STUDY: ENTREPRENEURSHIP

ADVERTISING SALES REPRESENTATIVE



Sells advertising and works with business clients and customers to generate advertising sales. An advertising sales representative might work for a radio station or a local newspaper and will convince businesses that advertising with their station will get more people to buy their product or visit their store.

ASSOCIATE

HIGH SCHOOL PROGRAM OF STUDY: MARKETING MANAGEMENT

E-COMMERCE ANALYST



Assists businesses with moving from selling products in a store or mall to selling products online. E-commerce analysts understand how using social media and building the right website can help a business grow. They develop marketing plans and work with website professionals to collect data about who buys their product and how to get more customers.

BACHELOR'S

HIGH SCHOOL PROGRAM OF STUDY: ENTREPRENEURSHIP

College. You can get there from here. COLLEGEFORTN.ORG

The Path To Becoming...

A SCIENCE, TECHNOLOGY, ENGINEERING, & MATHEMATICS (STEM) PROFESSIONAL

GEOGRAPHICAL INFORMATION SYSTEMS TECHNICIAN



Manages geographic data that is used in a wide range of areas, including health, the environment, transportation, urban planning, business, marketing, agriculture, and emergency. A geographic information systems (GIS) technician gathers data from a variety of sources, places it in databases, and uses those databases to make accurate maps.

TCAT

HIGH SCHOOL PROGRAM OF STUDY: TECHNOLOGY

OPERATIONS RESEARCH ANALYST



Analyses systems and processes in an organization or business and uses findings to help solve problems and improve management. An operations research analyst uses advanced mathematical models and computer software to analyze data. This information is used to make decisions and with the management of an organization, which can help the organization become more efficient.

ASSOCIATE

HIGH SCHOOL PROGRAM OF STUDY: TECHNOLOGY AND APPLIED STEM APPLICATIONS

CIVIL ENGINEER



Designs and supervises large construction projects such as dams, bridges, roads, and airports. A civil engineer may be in charge of a project like designing a bridge for a highway. The civil engineer must work with the construction team to ensure that the bridge is safe for drivers and that the bridge will last for the intended time.

BACHELOR'S

HIGH SCHOOL PROGRAM OF STUDY: SCIENCE/TECHNOLOGY

College. You can get there from here. COLLEGEFORTN.ORG