**CAREER PATHWAYS**

 **Mission Statement:** The Freeport Area School District is committed to assist every student focus his or her high school education on a deliberate post-secondary plan that matches the interests, skills, knowledge, and experience of each individual student.

**About the Program:** The driving force behind the Career Pathways program is that every student personalizes his/her career and educational plan beyond high school. Helping students recognize that they have direct control over the career path they choose is the challenge of Career Pathways. A career path is a broad spectrum of careers that share similar characteristics and for which employment requirements call for common interests, strengths, and competencies. The U.S. Department of Education has identified sixteen (16) Career Clusters that were designed to help students focus on an area of interest and possible career path. FASD’s Pathways Program combined the clusters to create four broader and flexible paths for student exploration and instruction. The four Pathways used by the Freeport Area School District are as follows:

 **Arts and Communication**

 **Business, Finance, and Information Technology**

 **Engineering Sciences and Industrial Technology**

 **Health and Human Services**

 It is recommended that students select a Career Pathway during course selection of their 8th grade year. Students will then be able to examine specific careers and post-high school educational programs related to their Pathway. In addition, elective course recommendations and service learning options will be available to assist parents and students in making course selections that will be most beneficial to their academic and career goals. This information will help students see a connection between what they learn within the classroom and the skills they need for success in their adult lives and the work world.

**Goals:**

• To assist each student in determining a Career Pathway based on interest and ability.

• To provide a variety of course offerings that will prepare students for education/training beyond high school to meet individual career goals.

• To produce students who are responsible citizens, effective communicators, cooperative workers, and skilled problem-solvers.

 **Rationale:** What do you want to be when you grow up? The Pathways Program has been designed to help Freeport Area School District students answer this most important question. Students begin their journey by exploring personal skills, interests, and aptitudes through career assessments which supply them with ideas about which one of the four Career Pathways might “best fit” their personality.

**Course Selection:** In this Program of Study, electives and other selected courses are marked with one or more of the above Career Pathways symbols. Students are encouraged to choose electives based on their interest in or curiosity about a particular Career Pathway. The guidance department will also help to guide you in your course selection.

 **Arts and Communication**

Careers in the Arts and Communication career pathway involve designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual performing arts and design, journalism, broadcasting and entertainment services.

**This career cluster is categorized into six different areas:**

* Audio and Video Technology and Film
* Printing Technology and Graphic Communication Technology
* Visual Arts
* Performing Arts
* Journalism and Broadcasting
* Telecommunications

 **Business, Finance, and Information Technology**

The Business, Finance, Information Technology pathway includes careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

The finance portion of this pathway involves careers in financial and investment planning, banking, insurance, and business financial management.

Information technology careers involve the design, development, support, and management of hardware, software, multimedia and systems integration services.

**This career cluster is categorized into four different areas:**

* [Business Management and Administration](http://pacareerstandards.com/business-finance.php#business)
* [Finance](http://pacareerstandards.com/business-finance.php#finance)
* [Information Technology](http://pacareerstandards.com/business-finance.php#it)
* [Marketing](http://pacareerstandards.com/business-finance.php#marketing)

 **Engineering, Sciences and Industrial Technology**

Engineers and technicians design and build things. They are critical in all kinds of manufacturing, especially at the earliest stages when products and processes are being created and refined.

A career in science is exciting, challenging and ever-changing. Learners who pursue one of these career fields will be involved in planning, managing, and providing scientific research and professional and technical services including laboratory and testing services, and research and development services.

**This career cluster is categorized into three different areas:**

* [Architecture and Construction](http://pacareerstandards.com/engineering.php#architecture)
* [Manufacturing](http://pacareerstandards.com/engineering.php#manufacturing)
* [Transportation, Distribution and Logistics](http://pacareerstandards.com/engineering.php#transportation)

 **Health and Human Services**

This is a pathway that includes a large and diverse group of careers. Human Services involves careers that help people and families meet their needs, including education, social services and mental health needs.

The health and medicine career pathway includes careers that promote health, wellness, and diagnosis as well as treat injures and diseases. Some of the careers involve working directly with people while others involve research into diseases or collecting and formatting data and information. Work locations are varied and may be in hospitals, medical or dental offices or laboratories, medivac units, sports arenas, or within the community.

**This career cluster is categorized into three different areas:**

* [Education and Training](http://pacareerstandards.com/human-services.php#education)
* [Government and Public Administration](http://pacareerstandards.com/human-services.php#government)
* [Hospitality and Tourism](http://pacareerstandards.com/human-services.php#hospitality)
* [Human Services](http://pacareerstandards.com/human-services.php#human)
* [Law, Public Safety, Corrections and Security](http://pacareerstandards.com/human-services.php#law)

**Career Pathways/Course Suggestions**

| **Arts and Communication** | **Business Finance and Info Technology** | **Engineering , Science and Industrial Tech** | **Health & Human Services** |
| --- | --- | --- | --- |
| **Math Courses:*** Algebra I
* Algebra II
* Applied Geometry
* Trigonometry

**Science Courses:*** Ess. Of Chem
* Ess. Of Earth Sys
* Chemistry
* Physics
* Environ Science
* Astronomy
* Meteorology

**Social Studies Courses:*** US Hist. II, III
* Hist. of PA
* Modern West. Civil
* Econ/Political Dynamics
* AP World History
* Honors Gov.

**English Courses:*** Applied Eng. 9-12
* Honors Eng. 9-12
* AP English Lit.
* Argu and Rhetoric

**Physical Education:*** Phys. Ed 9-12

**Elective Courses:*** Visual Art I II III
* Independent Art 12th grade only
* Ceramics
* TV News Production
* Digital Editing
* Documentary Film
* French I II III
* Honors French IV
* Spanish I II III
* Honors Spanish IV
* Creative Writing I II
* Acting and Dramatic Strategies I II
* Web Design
* Adv.Comp.Apps
* Graphic Design I, II
* Music Technology
* Psychology
* Sociology
* Current Issues
 | **Math Courses:*** Algebra I
* Algebra II
* Applied Geometry
* Algebra III/Trig
* PreCalc/Trig
* Calculus
* Probability/ Statistics
* AP Statistics
* AP Calculus AB/AP Calculus BC

**Sciences Courses:*** Chemistry
* Advanced Chemistry
* Physics
* Advanced Physics

**Social Studies Courses:*** US Hist. II
* US Hist. III
* Hist. of PA
* Modern West. Civil
* Econ/Political Dynamics
* AP World History
* Honors Gov.

**English Courses:*** Applied Eng. 9-12
* Honors Eng. 9-12
* AP English Lit.
* Argument and Rhetoric

**Physical Education:*** Phys. Ed 9-12

**Elective Courses:*** French I II III
* Honors French IV
* Spanish I II III
* Honors Spanish IV
* Entrepreneurship
* Accounting I
* Honors Accounting II III
* Graphic Design I II
* Adv. Com. Apps/MOS
* Web Design
* Computer Security
* Computer Independent Study
* Intro to Info. Sci.
* Computer Indep. Study
* Music and Technology
 | **Math Courses:*** Algebra I
* Algebra II
* Applied Geometry
* Algebra III/Trig
* PreCalc/Trig
* Calculus
* Prob/Stats
* AP Statistics
* AP Calculus AB&BC

**Science Courses:*** Ess. Of Chem
* Ess. Of Earth Sys.
* Chemistry
* Adv. Chemistry
* Physics
* Advanced Physics
* Basic Phys for Sci/Eng.
* Sea Air Land Engineer
* Adv.Envir Geo

**Social Studies Courses:*** US Hist. II, III
* Hist. of PA
* Modern West. Civil
* Econ/Political Dynamics
* AP World History
* Honors Gov

**English Courses:*** Applied Eng. 9-12
* Honors Eng. 9-12
* AP English Lit.
* Argument and Rhetoric

**Physical Education:*** Phys. Ed 9-12

**Elective Courses:*** Intro Tech & Engineer
* Home Maintenance
* Eng. Draw &Design
* Arch Civ & Struct Eng
* Materials Eng I II
* Engineering Tech
* Electronics
 | ***Math Courses:**** *Algebra I*
* *Algebra II*
* *Applied Geom*
* *Alg III/Trig*
* *Pre-Calc/Trig*
* *Calculus*
* *Probability/Stats*
* *AP Statistics*

***Science Courses:**** *Ess. Of Chem*
* *Ess. Of Earth Sys.*
* *Chemistry*
* *Advanced Chem*
* *Biology*
* *Adv Biology*
* *AP Biology*
* *Hum Anat & Phys*
* *AP World Hist.*
* *Honors Gov*

***Social Studies Courses:**** *US Hist. II, III*
* *Hist. of PA*
* *Modern West. Civil*
* *Econ/Political Dynamics*
* *AP World History*
* *Honors Gov.*

***English Courses:**** *Applied Eng. 9-12*
* *Honors Eng. 9-12*
* *AP English Lit.*
* *Argument & Rhet*

***Physical Education:**** *Phys. Ed 9-12*

***Elective Courses:**** *French I II III*
* *Honors French IV*
* *Spanish I II III*
* *Honors Spanish IV*
* *Visual Art I II III*
* *Ceramics I II*
* *Intro Cul Arts*
* *Fund Cul Arts*
* *Adv Cul Arts*
* *Child Dev I II*
* *Gen Fitness/Nut*
* *Sports Med/Psych.*
* *Psychology*
* *Sociology*
* *Current Issues*
* *Cultural Diversity*
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**Career Opportunities for Career Pathways**

|  |  |
| --- | --- |
| **Level of Education** | **Career Pathway:****Arts and Communication** |
| **Doctorate or Professional Degree** |  |
| **Bachelor’s Degree** | * **Journalist**
* **Public Relations**
* **Editors**
* **Technical Writers**
* **Writer/Author**
* **Interior Designer**
* **Fashion Designer**
* **Industrial Designer**
* **Multimedia Artist/Animator**
* **Art Director**
 |
| **Bachelor/Associate Degree** | * **Graphic Arts**
* **Culinary Chef**
* **TV/Radio Production**
* **TV/Radio Broadcaster**
* **Choreographer**
* **Public Relations**
* **Photographer**
 |
| **Certificate or High School Diploma**  | * **Floral Designer**
* **Photographer**
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***\*Occupations in most demand in our area, according to the Allegheny Conference Report on Community Development.\****

|  |  |
| --- | --- |
| **Level of Education** | **Career Pathway:****Business, Finance, and Information Technology** |
| **Doctorate or Professional Degree** | * **Computer Information Research Scientist**

 **Financial Analyst** |
| **Bachelor’s Degree** | * **Accountant\***
* **Auditor\***
* **Actuary\***
* **Appraiser**
* **Buyers/Purchasing Agents**
* **Appraiser**
* **Claims Adjustor**
* **Cost Estimators\***
* **Financial Analysts**
* **Human Resource Specialist**
* **Insurance Underwriter**
* **Labor Relation Specialists**
* **Loan Officer**
* **Management**
* **Financial Advisor**
* **Computer Network Architect**
* **Computer Programmer\***
* **Computer Support Specialists**
* **Computer System Analysts**
* **Database Administrator\***

 **Software Engineer Developer\*** |
| **Bachelor/Associate Degree** | * **Appraiser**
* **Claims Adjustor**
* **Sales Engineer**
* **Computer Support Specialist\***
 |
| **Certificate or High School Diploma**  | * **Web Developer\***
* **Advertising Sales Agent**
* **Cashier**
* **Insurance Sales Agent**
* **Real Estate Agent**

 **Travel Agent** |

***\*Occupations in most demand in our area, according to the Allegheny Conference Report on Community Development.\****

|  |  |
| --- | --- |
| **Level of Education** | **Career Pathway:****Engineering Sciences and Industrial Technology** |
| **Doctorate or Professional Degree** | * **Research Scientist/Research Professor**
 |
| **Bachelor’s Degree** | * **Architect\***
* **Biomedical Engineer\***
* **Civil Engineer\***
* **Environmental Engineer\***
* **Mechanical Engineer\***
* **Chemical Engineer\***
* **Industrial Engineer\***
* **Machining Technology\***
* **Computer Hardware Engineer**
* **Health and Safety Engineer**
* **Materials Engineer**
* **Nuclear Engineer\***
* **Petroleum Engineer**
* **Surveyor**

 **Forensic Science Technician** |
| **Bachelor/Associate Degree** | * **Appraiser**
* **Claims Adjustor**
* **Sales Engineer**
* **Computer Support Specialist\***
 |
| **Certificate or High School Diploma**  | * **Carpenter**
* **Boilermaker**
* **Construction Inspector**
* **Electrician**
* **Plumber**
* **Ironworker**
* **Glazier**
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***\*Occupations in most demand in our area, according to the Allegheny Conference Report on Community Development.\****

|  |  |
| --- | --- |
| **Level of Education** | **Career Pathway:****Health and Human Services**  |
| **Doctorate or Professional Degree** | * **Dentist**
* **Chiropractor**
* **Nurse Practitioner\***
* **Nurse Anesthetists**
* **Optometrist**
* **Pharmacist**
* **Physical Therapist\***
* **Physician Assistant\***
* **Physician\***
* **Speech Pathologist\***
* **Sociologist**
* **Psychologist**
* **Instruct. Coordinator**
* **Education Administrator**
* **Mental Health Counselor**
* **Attorney**
 |
| **Bachelor’s Degree** | * **Dietitian**
* **Exercise Physiologist**
* **Occupational Health/Safety Specialists**
* **Registered Nurse**
* **Recreational Therapist**
* **K-12 Teacher**

 **Social Worker** |
| **Bachelor/Associate Degree** | * **Dental Hygienist\***
* **Police Officer**
* **Detective**
* **Nuclear Medicine Tech.**
* **Licensed Practical Nurse\***
* **Occupational Health/Safety Technician**
* **Physical Therapy Assistant\***
* **Occupational Therapy Assistant\***
* **Diagnostic Medical Sonographer\***
* **Radiation Therapist**
* **Radiologic and MRI Tech.**
* **Respiratory Therapists**
* **Veterinary Technician**
 |
| **Certificate or High School Diploma**  | * **EMT/Paramedic**
* **Home Health Aides**
* **Nurse’s Aide\***
* **Massage Therapist**
* **Medical Assistant\***
* **Pharmacy Technician**
* **Veterinary Assistant**
* **Correctional Officer**
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