

What's Your Direction?



A Guide to Planning

Waubonsie Valley High School
Class of 2019



About this Guide

What's Your Direction? - A Planning Guide was designed to help WVHS students make decisions related to curricular, extra-curricular, and post-secondary planning. This guide is meant as a reference and resource as students discuss their interests and goals with their guardians and guidance counselors. We believe the information presented in this guide will help students better understand their post-secondary options and personal goals and plan to achieve them efficiently. This guide is comprised of three major sections:

Illinois University At-a-Glance Guide—This guide provides information regarding general entrance requirements for admission to public universities in Illinois. The full guide, available at <https://goo.gl/FeM9iU>, includes further information such as comparisons of undergraduate fields of study available, admission requirements, and foreign language requirements.

Career Clusters Descriptions—Each of the States' 16 Career Clusters* is presented on a two page quick-reference sheet. The first page details the specific career cluster and its various pathways while the second page displays WV related courses and offers a customizable chart for students to complete with their field of interest. Additional information on each cluster is available in the Class House.

Planning & Preparation—Nestled in the center of this guide are pages of resources for students to begin mapping out their time at Waubonsie Valley. A pull-out Four Year Plan will help students make their post-secondary goals a reality by demonstrating the benefit of staying focused while at WVHS. As with any decision or planning, students should discuss their options with their guardians and guidance counselors.

Table of Contents

IL University At-a-Glance Guide	4
Career Resources	5
Career Clusters Descriptions	
<i>Agriculture, Food & Natural Resources</i>	6
<i>Architecture & Construction</i>	8
<i>Arts, A/V Technology & Communications</i>	10
<i>Business Management & Administration</i>	12
<i>Education & Training</i>	14
<i>Finance</i>	16
<i>Government & Public Administration</i>	18
<i>Health Science</i>	28
<i>Hospitality & Tourism</i>	30
<i>Human Services</i>	32
<i>Information Technology</i>	34
<i>Law, Public Safety, Corrections & Security</i>	36
<i>Manufacturing</i>	38
<i>Marketing</i>	40
<i>Science, Technology, Engineering & Mathematics</i> ...	42
<i>Transportation, Distribution & Logistics</i>	44
Planning & Preparation.....	20-27



*The Career Clusters icons and information are being used with permission of the:

States' Career Clusters Initiative, 2010, www.careertech.org

State Universities in Illinois At-a-Glance Guide

A PDF of the complete At-A Glance Guide is available at :
<https://goo.gl/FeM9iU>

Summary of Minimum High School Course Requirements for Admission of Freshmen to Illinois Public Universities Effective 2014

Summary of Minimum High School Course Requirements for Admission of Freshman to Illinois Public Universities – Effective 2014 –

	Total	English	Social Studies	Mathematics	Science	Electives and Other Requirements
Chicago State + Eastern Illinois	15	4 ¹	3 ⁸	3 ¹⁰	3 ¹⁸	2 years of foreign language, music, vocational education or art
Governors State	15	4 ¹	2	3 ¹²	2 ¹⁵	2 years of academic or vocational electives.
Northeastern Illinois	15	4 ¹	3 ⁸	3 ¹⁰	3 ¹⁵	2 years of one foreign language or fine arts; and 2 years of electives.
Western Illinois +	15	4 ¹	3 ⁸	3 ¹⁰	3 ¹⁵	2 years of foreign language (FL), or 2 years of fine arts (FA) or a combination of 1 year FA/FL and 1 year of vocational education.
Illinois State	15	4	2	3 ¹²	2 ¹⁵	2 years of foreign language, music, vocational education, art, theatre, film, religion, philosophy, speech or journalism
Northern Illinois	15	4 ²	3 ⁸	3 ¹¹	3 ¹⁶	2 years of one foreign language or fine arts; and 2 years of electives.
Southern Illinois University						
Carbondale	15 or 16	4 ¹	3 ⁸	3 or 4 ¹²	3 ¹⁸	2 units (one must be foreign language, art, or music); Up to three units of the required fifteen units may be distributed throughout any of the five categories of course work. Vocational education may satisfy up to three of the units.
Edwardsville	15	4 ¹	3 ⁸	3 ¹²	3 ¹⁵	2 years of electives in foreign language, art, fine arts, music or vocational education; if a foreign language is taken, it must include two semesters of the same language.
University of Illinois						
Chicago	16	4 ⁴	3	3	3 ¹⁸	2 years chosen from foreign language, music, the visual arts, theatre, dance and/or vocational education.
Springfield	15	4 ⁴	3 ⁷	3 ¹²	3 ¹⁸	2 years of foreign language; 1 year of an elective.
Urbana-Champaign	15 or 15.5	4 ⁴	2 ⁸	3 or 3.5 ¹⁴	2 ¹⁸	2 years of one foreign language or 2 years of fine arts, selected from art, music, dance and theatre are required.

- NOTES:**
- ⁴ Suggested Electives - includes other academic courses.
 1. Emphasizing written and oral communication and literature.
 2. Three units of English must be courses emphasizing written and oral communication and literature.
 3. Emphasizing grammar, composition, written and oral communication, and literature; may include not more than 1 year of creative writing or journalism.
 4. Studies in language, composition, and literature requiring practice in expository writing in all such work. Coursework should emphasize reading, writing, speaking, and listening.
 5. Emphasize history and government.
 6. One unit must be U.S. history or a combination of U.S. history and government.
 7. At least 2 years of history and/or government; other acceptable subjects are anthropology, economics, geography, psychology, and sociology.
 8. History and government are preferred. Additional acceptable social studies include anthropology, economics, geography, philosophy, political science, psychology, and sociology.
 9. One unit must be American History plus 1 unit of history, government, psychology, economics or geography.
 10. Introductory through advanced algebra, geometry, trigonometry, or fundamentals of computer programming.
 11. Three to four units of college preparatory mathematics, including one year of geometry and one year of advanced algebra and/or trigonometry.
 12. Algebra I & II, and a proof-based geometry course. A fourth unit is highly recommended: trigonometry and pre-calculus, or statistics, depending on the student's area of interest.
 13. One year of introductory algebra, 1 year of geometry, 1/2 year of algebra beyond the introductory year, and 1/2 year of more advanced mathematics or fundamentals of computer programming.
 14. Algebra, geometry, advanced algebra, trigonometry. Typically, such courses as career/occupational mathematics, consumer mathematics, applied business mathematics, pre-algebra, and computer courses are not acceptable. 3.5 years of mathematics including trigonometry are required in the following curricula: Agricultural, Consumer and Environmental Sciences – agricultural engineering; Business – all curricula; Engineering – all curricula; Fine and Applied Arts – architectural studies; Liberal Arts and Sciences-specialized curricula in biochemistry, chemical engineering, chemistry, geology, and physics.
 15. Laboratory sciences.
 16. Two units must be courses in the physical or biological sciences. One unit must be a laboratory science.
 17. One year of biology, 1 year of chemistry, and 1 additional year of earth science, physics, biology, or chemistry. (All must be laboratory sciences.)
 18. Laboratory courses in biology, chemistry, or physics are preferred. Laboratory courses in astronomy and geology are also acceptable. General science will not be acceptable.

A pdf of the At A Glance chart is available at www.iacac.org/articulation.

Career Cluster and Resource Sites:

Naviance Family Connection*

<http://connection.naviance.com/wauvhs>

State Career Clusters

www.careertech.org/

ACT

www.act.org

Illinois Department of Education

www.isbe.state.il.us/

DuPage County Career Outreach

web.extension.illinois.edu/dupage/

Vocational Information Center

www.khake.com/page35.html

Write down your log-in information or other useful resources here:

*These are resources for which WVHS maintains a subscription and to which students will be guided as they prepare their four-year and post-secondary plans.



The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

Career Pathways within this Cluster:

Natural Resources and Environmental Service Systems - People who work in the Natural Resource Systems pathway perform a variety of tasks from helping to develop, maintain, and manage the forest and natural environment to catching and trapping various types of marine life for human consumption, animal feed, bait and other uses. Environmental Service Systems workers are involved in pollution control, recycling, waste disposal, and public health. They conduct hazardous-waste management studies, analysis, and research environmental projects.

Power, Structural and Technical Systems - People who work in the Power, Structural and Technical Systems pathway apply knowledge of engineering, hydraulics, pneumatics, electronics, power, structures, and controls to the field of agriculture.

Food Products and Processing Systems - People who work in the Food Products and Processing pathway discover new food sources, analyze food content and develop ways to process, preserve, package or store food according to industry and government regulations. They create new food products to meet consumer needs and inspect food-processing areas to ensure that sanitation, safety, quality and waste management standards are met.

Agribusiness Systems - Agribusiness Systems workers use technology to coordinate all activities that contribute to production, processing, marketing, distribution, financing, and development of agricultural commodities.

Animal Systems - People who work in the Animal Systems pathway work to develop better, more efficient ways of producing and processing meat, poultry, eggs and dairy products. They study genetics, nutrition, reproduction, growth and development of domesticated farm animals. Some individuals inspect and grade livestock food products, purchase livestock or work in technical sales or marketing.

Plant Systems - People who work in the Plant Systems pathway study plants and their growth, helping producers of food, feed and fiber crops continue to feed a growing population while conserving natural resources and maintaining the environment. Individuals in this pathway also develop ways to improve the nutritional value of crop sand the quality of seeds. They use genetic engineering to develop crops resistant to pest and drought.

Based on your survey results and your own interests, which pathway sounds most like something you'd like to do? Fill in the chart below to help you learn more about the steps you need to take to achieve a career within that field.

Field I'd like to know more about: _____

If I complete...	Will I be able to get a job in this field?	What is the likelihood I will be able to keep a job in this field as long as I'd like? Is the number of available jobs in this field increasing or decreasing? (outlook)	What sort of income can I expect if I work in this field? (salary)
a HS Diploma			
some Post-Secondary Training			
an Associate's Degree or Certification			
a Bachelor's Degree (4-year college)			
an Advanced Degree			

Elective courses at WV that can help you achieve a career in this Cluster:

BUSINESS

- Marketing
- Finance
- Accounting
- AP Economics
- Business Internship

WORLD LANGUAGES

- Chinese
- French
- German
- Spanish

ENGLISH

- Public Speaking

MATH

- AP Statistics

SCIENCE

- Horticulture
- Physics
- Honors Physics
- AP Environmental Genetics
- AP Biology

SOCIAL STUDIES

- US Geography
- AP Human Geography
- AP Government

TEE

- Engineering Technology
- Power Mechanics
- PLTW

*Feel free to explore other websites on the Resources Page (9) for more info and options!



Careers in designing, planning, managing, building and maintaining the built environment.

Career Pathways within this Cluster:

Design and Pre-Construction - People with careers in Design and Pre-Construction create our future! They turn a concept into a set of plans. Their plans guide other construction professionals as they continue the building process.

Construction - Employees in Construction literally build our future! These are the people who build and remodel houses, apartments, industrial buildings, warehouses, office buildings, churches, schools and recreational facilities. This pathway also includes the builders of highways, streets, bridges, tunnels and airports as well as power plants, chemical plants, refineries and mills.

Maintenance and Operations - Employees with careers in Maintenance and Operations keep our future intact! These are the people who unload, inspect, and move new equipment into position. They determine the optimal placement of machines in a plant, assemble machinery, install machinery, repair machinery and perform preventive maintenance.

Based on your survey results and your own interests, which pathway sounds most like something you'd like to do? Fill in the chart below to help you learn more about the steps you need to take to achieve a career within that field.

Field I'd like to know more about: _____

If I complete...	Will I be able to get a job in this field?	What is the likelihood I will be able to keep a job in this field as long as I'd like? Is the number of available jobs in this field increasing or decreasing? (outlook)	What sort of income can I expect if I work in this field? (salary)
a HS Diploma			
some Post-Secondary Training			
an Associate's Degree or Certification			
a Bachelor's Degree (4-year college)			
an Advanced Degree			

Elective courses at WV that can help you achieve a career in this Cluster:

ART

- Drawing I
- Drawing II
- Drawing III
- AP Art History

BUSINESS

- Business Internship

ENGLISH

- Public Speaking

FACS

- Interior Design

WORLD LANGUAGES

- Chinese
- French
- Spanish
- German

MATH

- Trigonometry
- AP Computer Science
- Calculus Courses

SCIENCE

- Physics
- Honors Physics

SOCIAL STUDIES

- AP European History
- AP Human Geography
- AP World History
- American Studies
- World History Honors
- US Geography

TEE

- Drafting & Design
- Architectural Drafting
- CADD
- Intro. to Construction
- PLTW

*Feel free to explore other websites on the Resources Page (9) for more info and options!



Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Career Pathways within this Cluster:

Audio and Video Technology and Film - Broadly, individuals that work in the AV communications industry manufacture, sell, rent, design, install, integrate, operate and repair the equipment of audiovisual communications. They are involved in the presentation of sound, video and data to groups in such venues as corporate boardrooms, hotels, convention centers, classrooms, theme parks, stadiums and museums.

Journalism and Broadcasting - News analysts, reporters and correspondents gather information, prepare stories and make broadcasts that inform us about local, state, national and international events; present points of view on current issues; and report on the actions of public officials, corporate executives, special interest groups and others who exercise power. Broadcast and sound technicians install, test, repair, set up and operate the electronic equipment used to record and transmit radio and television programs, cable programs and motion pictures. Chief engineers, broadcast field supervisors and transmission engineers supervise the technicians who operate and maintain broadcasting equipment.

Printing Technology - The printing process has three stages—prepress, press and binding or post-press. Prepress workers prepare material for printing presses. They perform a variety of tasks involved with transforming text and pictures into finished pages and making printing plates of the pages. The printing industry is rapidly moving toward complete “digital imaging,” by which customers’ material received digitally is converted directly into printing plates. Other innovations in prepress work are digital color page makeup systems, electronic page layout systems and off-press color proofing systems.

Telecommunications - Telecommunications specialists focus on the interaction between computer and communications equipment. Telecommunications equipment is computerized and can communicate a variety of information, including data, graphics and video.

Performing Arts - A variety of businesses and groups involved in theatrical and musical performances are included in this pathway. Theatrical production companies, agents, costume design management companies, lighting and stage crews, and professional performers are a few of the examples of careers in this pathway.

Visual Arts - Visual artists create art to communicate ideas, thoughts or feelings. They use a variety of methods— painting, sculpting or illustrating—and an assortment of materials, including oils, watercolors, acrylics, pastels, pencils, pen and ink, photography, plaster, clay and computers.

Based on your survey results and your own interests, which pathway sounds most like something you'd like to do? Fill in the chart below to help you learn more about the steps you need to take to achieve a career within that field.

Field I'd like to know more about: _____

If I complete...	Will I be able to get a job in this field?	What is the likelihood I will be able to keep a job in this field as long as I'd like? Is the number of available jobs in this field increasing or decreasing? (outlook)	What sort of income can I expect if I work in this field? (salary)
a HS Diploma			
some Post-Secondary Training			
an Associate's Degree or Certification			
a Bachelor's Degree (4-year college)			
an Advanced Degree			

Elective courses at WV that can help you achieve a career in this Cluster:

ART All Courses

BUSINESS

- Essential Technology
- Marketing Technology
- Visual Media
- Interactive Media
- Webpage Design
- Emerging Technology
- Coding
- Advertising
- Business Internship

FACS

- Apparel Construction
- Fashion Merchandising

ENGLISH

- Public Speaking
- Theatre Arts
- Comm. & Comp.
- Newspaper
- Yearbook
- Creative Writing

WORLD LANGUAGES

- Chinese
- French
- German
- Spanish

MATH

- AP Computer Science
- AP Statistics
- Probability & Statistics

MUSIC—All Courses

SOCIAL STUDIES

- AP Human Geography
- AP European History
- AP Government
- AP World History
- World History Honors

TEE

- Media Communication I
- Broadcast Journalism II
- Broadcast Journalism III
- Digital Electronics
- Engineering Tech.
- Architectural Drafting
- PLTW



Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.

Career Pathways within this Cluster:

General Management - General Management focuses on careers that plan, organize, direct, and evaluate all or part of a business organization through the allocation and use of financial, human, and material resources.

Business Information Management - Business Information Management is an umbrella term covering those careers that provide a bridge between business processes/initiatives and IT. Employees in this area help to align business and IT goals.

Human Resources Management - Human Resources Management focuses on the staffing activities that involve planning, recruitment, selection, orientation, training, performance appraisal, compensation, and safety of employees.

Administrative Support - Administrative Support facilitate business operations through a variety of administrative and clerical duties including information and communication management, data processing and collection, and project tracking.

Operations Management - Operations Management focuses on planning, organizing, coordinating, and controlling the resources needed to produce/provide a business's goods and/or services. Examples of activities in Operations Management are quality control, scheduling, procurement, and warehousing.

Based on your survey results and your own interests, which pathway sounds most like something you'd like to do? Fill in the chart below to help you learn more about the steps you need to take to achieve a career within that field.

Field I'd like to know more about: _____

If I complete...	Will I be able to get a job in this field?	What is the likelihood I will be able to keep a job in this field as long as I'd like? Is the number of available jobs in this field increasing or decreasing? (outlook)	What sort of income can I expect if I work in this field? (salary)
a HS Diploma			
some Post-Secondary Training			
an Associate's Degree or Certification			
a Bachelor's Degree (4-year college)			
an Advanced Degree			

Elective courses at WV that can help you achieve a career in this Cluster:

- | | | |
|----------------------|------------------------|--------------------------|
| <u>BUSINESS</u> | Webpage Design | <u>MATH</u> |
| Business Management | Emerging Technology | AP Statistics |
| Business Orientation | Business Internship | Business Math |
| Business Law | VEI | Probability & Statistics |
| Finance | Coding | <u>SCIENCE</u> |
| Accounting I | <u>ENGLISH</u> | Horticulture |
| Honors Accounting II | Public Speaking | |
| Marketing | <u>FACS</u> | <u>SOCIAL STUDIES</u> |
| Advertising | Fashion Merchandising | AP Government |
| AP Microeconomics | <u>WORLD LANGUAGES</u> | Sociology |
| AP Macroeconomics | Chinese | Psychology (Reg and AP) |
| Essential Technology | French | AP Human Geography |
| Marketing Technology | German | |
| Visual Media | Spanish | <u>TEE</u> |
| Interactive Media | | Engineering Technology |

*Feel free to explore other websites on the Resources Page (9) for more info and options!



Planning, managing and providing education and training services, and related learning support services.

Career Pathways within this Cluster:

Administration and Administrative Support - Smooth operation of any education or training institution requires competent administration. Administrators provide direction, leadership and day-to-day management of educational activities in schools, preschools, daycare centers, colleges, universities, businesses and industries, correctional institutions, museums, and job training and community service organizations

Professional Support Staff - The Professional Support Services pathway represents a variety of highly specialized occupations that are critical to our education and training systems. Counselors, psychologists, social workers, speech-language pathologists and audiologists assist people with personal and family needs, mental health assistance, educational goals and career decision making.

Teaching and Training - In addition to being knowledgeable in their subject, teachers and trainers must have the ability to communicate, inspire trust and confidence, and motivate learners, as well as understand their educational and emotional needs. Teachers must be able to recognize and respond to individual differences in diverse learners, and employ different teaching/ training methods that will result in higher learner achievement.

When choosing courses, consider courses related to the eventual area of education or training (i.e., future English teachers should take as many English classes as are feasible).

Based on your survey results and your own interests, which pathway sounds most like something you'd like to do? Fill in the chart below to help you learn more about the steps you need to take to achieve a career within that field.

Field I'd like to know more about: _____

If I complete...	Will I be able to get a job in this field?	What is the likelihood I will be able to keep a job in this field as long as I'd like? Is the number of available jobs in this field increasing or decreasing? (outlook)	What sort of income can I expect if I work in this field? (salary)
a HS Diploma			
some Post-Secondary Training			
an Associate's Degree or Certification			
a Bachelor's Degree (4-year college)			
an Advanced Degree			

Elective courses at WV that can help you achieve a career in this Cluster:

- | | | |
|---|--|---|
| <u>ART</u>
All Courses | <u>ENGLISH</u>
Public Speaking
Theater Arts | <u>MUSIC</u>
All Courses |
| <u>BUSINESS</u>
Business Math
College Test Prep
Marketing Technology
Interactive Media
Visual Media
Essential Technology
Notetaking & Study Skills
Business Internship
Introduction to Education
Education II | <u>FACS</u>
Early Learning Lab
Child Development
Ind. & Family Relationships
Parenting | <u>PHYSICAL ED.</u>
Peer Partners
PE Leaders |
| <u>MATH</u>
Probability and Statistics | <u>WORLD LANGUAGES</u>
Chinese
French
German
Spanish | <u>SCIENCE</u>
Anatomy |
| | | <u>SOCIAL STUDIES</u>
Psychology
Sociology
AP Psychology |

*Feel free to explore other websites on the Resources Page (9) for more info and options!



Planning, services for financial and investment planning, banking, insurance, and business financial management.

Career Pathways within this Cluster:

Accounting - Accounting encompasses careers that record, classify, summarize, analyze, and communicate a business's financial information/business transactions for use in management business decision-making. Accounting includes such activities as bookkeeping, systems design, analysis, and interpretation of accounting information.

Securities and Investments - The securities and investments industry consists of brokerage firms, investment banks, and stock exchanges, all of which support the flow of funds from investors to companies and institutions. Related services include financial planning, asset management, hedge fund management, and custody services.

Business Finance - The business finance function in a company is to manage policy and strategy for (and the implementation of) capital structure, budgeting, acquisition and investment, financial modeling and planning, funding, dividends, and taxation.

Banking Services - Primarily concerned with accepting deposits, lending funds, and extending credit banking services include cash management short-term investments mortgages credit, management, investments, and other loans, credit cards, and bill payment. Banking services are delivered via a number of different institutions, from commercial banks (the largest group) and other traditional means (savings and loans associations, credit unions, and local banks) to newer ventures through insurance companies, brokerage houses, and the internet.

Insurance - The insurance industry, which exists to protect individuals and businesses from financial losses, delivers services that transfer risk from an individual or business to an insurance company.

Based on your survey results and your own interests, which pathway sounds most like something you'd like to do? Fill in the chart below to help you learn more about the steps you need to take to achieve a career within that field.

Field I'd like to know more about: _____

If I complete...	Will I be able to get a job in this field?	What is the likelihood I will be able to keep a job in this field as long as I'd like? Is the number of available jobs in this field increasing or decreasing? (outlook)	What sort of income can I expect if I work in this field? (salary)
a HS Diploma			
some Post-Secondary Training			
an Associate's Degree or Certification			
a Bachelor's Degree (4-year college)			
an Advanced Degree			

Elective courses at WV that can help you achieve a career in this Cluster:

BUSINESS

- Business Internship
- Finance
- Accounting I
- Honors Accounting II
- Business Orientation
- AP Microeconomics
- AP Macroeconomics
- Coding
- Essential Technology
- Interactive Media
- Business Math
- VEI
- Business Internship

ENGLISH

- Public Speaking

WORLD LANGUAGES

- Chinese
- French
- Spanish
- German

MATH

- AP Statistics
- Probability & Statistics

SOCIAL STUDIES

- AP Government

*Feel free to explore other websites on the Resources Page (9) for more info and options!



Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and

Management and Administration at the local, state, and federal levels.

Career Pathways within this Cluster:

Public Management and Administration - Government agencies and public corporations and trusts have specific and rigorous standards for the stewardship of public resources. Public Management careers will require technical skills related to budgeting, personnel management, procurement or other activities, and specific knowledge of the regulations and other policies that govern public management.

Governance - People who work in the Governance pathway include the officials elected or appointed to government positions responsible for making and executing public policy. This pathway includes the President and members of Congress, governors and state legislators, and local elected officials such as councilpersons or commissioners. Also included are the staff members that support them.

National Security - Maintaining a strong national security encompasses such diverse activities as running a hospital, commanding a tank, programming computers, operating a nuclear reactor, or repairing and maintaining a helicopter. The military provides training and work experience in these fields and many others for more than 1.4 million people who serve in the active Army, Navy, Marine Corps, Air Force, and Coast Guard, their Reserve components, and the Air and Army National Guard.

Foreign Service Affairs - People who work in the Foreign Service pathway serve in embassies, consulates and other diplomatic missions and in Washington, D.C. Job responsibilities range from day-to-day operations of a U.S. embassy to analyzing political and economic events or helping American citizens abroad.

Planning - People who work in the Planning pathway develop long- and short-term land use plans to provide for growth and revitalization of urban, suburban and rural communities, while helping local officials make decisions concerning social, economic and environmental issues.

Revenue and Taxation - People who work in the Revenue and Taxation pathway ensure that governments obtain revenues from businesses and citizens by collecting tax dollars, reviewing tax returns, conducting audits, monitoring taxes payable and collecting overdue tax dollars.

Regulation - People who work in the Regulation pathway will typically possess a body of technical knowledge about an industry, the environment or technology. This—coupled with a knowledge of related laws, rules and regulatory systems— permit regulators to protect our health, safety and environment as well as ensure the integrity of our financial, transportation and public utility industries.

Based on your survey results and your own interests, which pathway sounds most like something you'd like to do? Fill in the chart below to help you learn more about the steps you need to take to achieve a career within that field.

Field I'd like to know more about: _____

If I complete...	Will I be able to get a job in this field?	What is the likelihood I will be able to keep a job in this field as long as I'd like? Is the number of available jobs in this field increasing or decreasing? (outlook)	What sort of income can I expect if I work in this field? (salary)
a HS Diploma			
some Post-Secondary Training			
an Associate's Degree or Certification			
a Bachelor's Degree (4-year college)			
an Advanced Degree			

Elective courses at WV that can help you achieve a career in this Cluster:

BUSINESS

- AP Macroeconomics
- AP Microeconomics
- Accounting
- Honors Accounting II
- Essential Technology
- Coding
- VEI
- Business Internship

ENGLISH

- Public Speaking

WORLD LANGUAGES

- Chinese
- French
- German
- Spanish

MATH

- AP Computer Science
- Business Math

SCIENCE

- AP Environmental

SOCIAL STUDIES

- AP Government
- AP US History
- AP European History
- AP Human Geography
- AP World History
- Military History

TEE

- PLTW

*Feel free to explore other websites on the Resources Page (9) for more info and options!

Prepare Before You Plan

Conversations to have with your Guidance Counselor

Freshman Year

Four-year plans get started in the fall. These plans focus on requirements for graduation and minimum public university requirements to help you think through what courses you should or would like to take during your time at WV. These plans are not course request sheets; they are a resource for you to make the most of your four years at WVHS. All freshmen will participate in career exploration activities so that they may explore various careers, talk with professionals in the field, and get insight into classes that will help you prepare for your future.

Sophomore Year

Take a few minutes to review your four-year plan with your counselor to make sure you are on track. Also discuss what activities or academic opportunities you can pursue to help support your goals for after you graduate (these are called “post-secondary goals”). Use the questions on page 26 to help you think about what you want to do and how your time at Waubonsie can help you achieve those goals. Sophomores will continue career exploration geared toward further education about the Career Clusters and making academic choices that support future goals.

Junior Year

Meet with your counselor to develop a post-secondary plan, which may include a two- or four- year college or university, trade or technical school, or entrance into the job market. You will begin to take college entrance exams during this year. The tests are designed to help you plan and prepare for whatever steps you plan to take after graduation, and completion of the state testing is required for graduation in the State of Illinois.

Senior Year

Your first priority is to meet with your counselor to discuss specific post-secondary options, if you have not already. Your counselor can then help direct you in your plans for when you graduate. Many colleges and universities have early notification deadlines in the fall, and if you are looking to enlist in the military or seek a career or job-training option after graduation, it will greatly benefit you to begin those processes as soon as possible.

Meetings with My Counselor

Counselor's Name: _____

Office Location: _____

DATE	WHAT DID WE TALK ABOUT?	WHAT DO I NEED TO DO NOW?

Becoming a Well-Rounded Student:

Extra-Curricular Opportunities
to Help You Explore Your Interests

<u>PERFORMANCE</u>	<u>SPECIAL INTEREST</u>	<u>COMPETITIVE GROUPS</u>
Jazz Bands & Combos	Art Club	BPA
Marching Band	Ballroom Dancing	Chess Team
Pep Band	Biotech Club	DECA
Percussion Ensemble	Book Club	FCCLA
Tri-M	Catch-Up & Keep-Up	IDEA
Warrior Strings	Christian Student Assoc.	Journalism
Orchesis	Defying Disorders	Math Team
Poms/Dance Team	Digital Photography Club	Model UN
Step Team	Educators Rising	Scholastic Bowl
Winterguard/Flags/Color Guard	Finance Club	Science Olympiad
Auditorium Tech Crew	Greenhouse Club	SkillsUSA
Contest Play & Group Interp	Identity/GSA	Speech
Drama Club	Muslim Student Assoc.	Youth & Government
Mainstage Productions	Robotics Club	<u>SERVICE GROUPS</u>
Musical	Video Club	Best Buddies
Una Voce	Warrior Nation	E-Force
Cloud Nine	GEMS	Key Club
Pink Notes	<u>CULTURAL GROUPS</u>	Link Crew
Mosaic Choir	BSA	Snowball
Show Choirs	Chinese Club	SPORTS
<u>STUDENT GOVERNMENT</u>	French Club	Hockey
Student Council	German Club	Intramurals
Class Officers	ISA	La Crosse
	OLAS	Rugby
	Spanish Honor Society	Special Olympics

Courses I've Taken

Class	Teacher	Term	Grade
<i>Example</i> —English I	<i>Example</i> - Gehrt	9th S1	B

My 4-Year

DEPARTMENT	9 th Sem 1	9 th Sem 2	10 th Sem 1	10 th Sem
ENGLISH	English I	English I	English II	English II
MATH				
SOCIAL STUDIES	World Geo. Or World History	World Geo. Or World History		
SCIENCE				
P.E. HEALTH	P. E. I	P. E. I	Health or P.E. II	Health or P.E. II
VOCATIONAL ED.				
DRIVER ED.				
CONSUMER ECONOMICS	_____	_____	_____	_____
FOREIGN LANGUAGE				
ELECTIVES/ OTHER				
CREDITS	Total:	Total:	Total:	Total:
SUMMER SCHOOL				

REQUIREMENTS FOR GRADUATION

English I, II, III, IV	7 semesters of Physical Education
3 years of Math	1 semester of Health
3 years of Science	1 semester of Government
1 year of World Geography or World History	1 semester of Consumer Economics
1 year of U.S. History or American Studies	1 year of Voc Ed/For Lang/or Fine Arts
	1 semester of Driver Education

CREDITS
18.5 credits
5.5 cre
24 Total Credit

Minimum Public University Requirements

4 years of English	3 years of Lab. Science
3-4 years of Math (through Alg II/Trig)	3 years of Social Science
2 years of the same Foreign Lang., Music, Fine Arts, or Vocational Education	

NOTE: College admission requirements will vary. Please contact specific colleges for their requirements.

Setting Goals

Use the following questions to help you set goals while at WVHS

Long-Range Goals

Career Goal Where do you hope to be in your career development at the time of your graduation?

Educational Goal What educational goals do you hope to accomplish with your diploma from WVHS?

Personal Goal While at Waubonsie Valley, what would you like to accomplish to make you a better, more well-rounded person?

Short-Range Goals

Short-range goals are those specific activities and strategies that move us toward our long-range goals or "ideal future." The following are questions that can help you formulate your short-range goals.

Skills What skills would you need to develop in order to realize your goals?

School Resources What services and programs are offered at WVHS to help you develop and implement your goals?

Courses What specific core or elective courses might help you with your career or personal goals?

Community Service Hours What community or service projects would you like to get involved in? Will it help you with your goals? How?

Student Organizations What student organizations would you like to join? How might joining these organizations help you attain your career or personal goals?

Student Activities Are there any student activities such as athletics, musical groups, speech or theater in which you would like to be involved? If so, which ones? What would you like to accomplish?

Leadership Opportunities What opportunities are there for leadership in the activities and organizations that you have chosen? How might this help with your goals?

Professional Organizations Almost every career has a professional organization associated with it. What professional association is associated with your career choice? Can students join?

Internships What kind of internship or practical experience would you like to pursue while in college?

Student Employment Certain employment that you have while a student can help you achieve your goals. What job might help you with your career goals?

If you have trouble developing goals, make an appointment with your Guidance Counselor.

Taking the First Steps to Your Future

Freshman Year

This transition year can make or break your future. Take time to build a strong academic foundation by maintaining a good attendance record, participating in classes, completing your homework, and taking advantage of the various resources at WVHS. Also begin to identify your interest, skills, abilities and values. Your guidance counselor can help you locate and utilize resources that can help you achieve academic success and discover more about how to develop a plan for the future.

Sophomore Year

As you begin your sophomore year, you are likely a bit more comfortable with the "high school scene" and can take some time to find out more about specific careers that interest you. Be sure to explore different clusters and pathways as you may be surprised by what fields match up with your interests. Consider your natural abilities, but do not be discouraged if you find a certain field interesting and you do not like the school subject that is most closely related to that field. Talk with your guidance counselor about these differences to help you determine if you should pursue information related to that field.

Junior Year

People love to do what they are naturally good at doing. While you have spent the last two years researching and discovering different career opportunities as they relate to your interest and abilities, now is the time to take some action. Spend time working, interning, volunteering, or simply observing actual career situations in order to help you confirm or reject a career interest. Continue to build your bank of skills and knowledge, and begin contacting employers in the careers in which you are interested. They will be able to provide you much more real-life information that any sheet of paper or website can do. This is a great time to start researching your post-secondary options (military, college, vocational school, etc.) and which option will best prepare you to achieve your career goal.

Senior Year

Senior year is the first step towards making your dreams come true. Seniors can take many paths: applying for college, enlisting in the military, finding a full-time job or committing to a year of volunteer service. **Do not wait** until the middle of first semester to take steps toward your post-graduation path. A well-constructed plan at the beginning of the year (or before!) can help you stay focused and on-track throughout your last year at WVHS.



Planning, managing, and providing therapeutic services, diagnostic services, health information science, support services, and biotechnology research and development.

Career Pathways within this Cluster:

Biotechnology Research and Development - Careers in the Biotechnology Research and Development Pathway involve bioscience research and development as it applies to human health. These scientists may study diseases to discover new treatments or invent medical devices used to directly assist patients or to improve the accuracy of diagnostic tests.

Therapeutic Services - Careers in the Therapeutic Services Pathway are focused primarily on changing the health status of the patient over time. Health professionals in this pathway work directly with patients; they may provide care, treatment, counseling and health education information.

Diagnostics Services - Careers in the Diagnostic Services Pathway use tests and evaluations that aid in the detection, diagnosis and treatment of diseases, injuries or other physical conditions.

Health Informatics - Careers in the Health Informatics Pathway include many different levels of health care related employment. This pathway includes health care administrators who manage health care agencies as well as those individuals who are responsible for managing all of the patient data and information, financial information, and computer applications related to health care processes and procedures.

Support Services - Careers in the Support Services Pathway provide a therapeutic environment for the delivery of health care. Support Services offers a full range of career opportunities from entry level to management, including technical and professional careers.

Based on your survey results and your own interests, which pathway sounds most like something you'd like to do? Fill in the chart below to help you learn more about the steps you need to take to achieve a career within that field.

Field I'd like to know more about: _____

If I complete...	Will I be able to get a job in this field?	What is the likelihood I will be able to keep a job in this field as long as I'd like? Is the number of available jobs in this field increasing or decreasing?	What sort of income can I expect if I work in this field?
a HS Diploma			
some Post-Secondary Training			
an Associate's Degree or Certification			
a Bachelor's Degree (4-year college)			
an Advanced Degree			

Elective courses at WV that can help you achieve a career in this Cluster:

BUSINESS

Accounting
Interactive Media
Marketing Technology
Essential Technology
Business Internship
VEI

ENGLISH

Public Speaking

FACS

Child Development
Early Teaching Lab
Ind. & Fam. Relationships
Parenting

WORLD LANGUAGES

Chinese
French
Spanish
German

PE/HEALTH

Advanced Health

SCIENCE

Chemistry
AP Chemistry
AP Biology
Anatomy & Physiology
Genetics

SOCIAL STUDIES

Psychology (Reg and AP)
Sociology



Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.

Career Pathways with this cluster:

Restaurants and Food and Beverage Services - Employees working in the Restaurant and Food/Beverage Services pathway perform a variety of tasks to maintain operations and promote guest services in eating and drinking establishments.

Recreation, Amusement and Attractions - Employees looking for exciting and diverse work situations are best suited for the Recreation, Amusements and Attractions pathway. The work is often demanding but never boring. Good customer service skills are essential for success. Employees must also understand what makes each operation unique. Technical skills are location-specific, and training is handled on the job.

Travel and Tourism - Employees in the Travel and Tourism pathway focus on the development, research, packaging, promotion and delivery of a traveler's experiences. There is a broad range of jobs in this pathway. Employees may be involved in developing a heritage area for the enjoyment and education of visitors, creating guide books, planning trips and events, managing a customer's travel plans or overseeing a huge urban convention center.

Lodging - Employees working in the Lodging pathway perform tasks related to the operation of lodging facilities and the care of guests who use these facilities, either through direct guest contact or the provision of background services that enhance the guest experience.

Based on your survey results and your own interests, which pathway sounds most like something you'd like to do? Fill in the chart below to help you learn more about the steps you need to take to achieve a career within that field.

Field I'd like to know more about: _____

If I complete...	Will I be able to get a job in this field?	What is the likelihood I will be able to keep a job in this field as long as I'd like? Is the number of available jobs in this field increasing or decreasing? (outlook)	What sort of income can I expect if I work in this field? (salary)
a HS Diploma			
some Post-Secondary Training			
an Associate's Degree or Certification			
a Bachelor's Degree (4-year college)			
an Advanced Degree			

Elective courses at WV that can help you achieve a career in this Cluster:

ART
AP Art History

ENGLISH
Public Speaking

MUSIC
All Courses

BUSINESS
Marketing
Advertising
Business Internship
Essential Technology
Marketing Technology
Visual Media
Emerging Technology
Webpage Design
Essential Technology
VEI

FACS
Interior Design
Intro. to Culinary Arts
Pastry Arts
Internat'l & Reg. Foods
Catering

WORLD LANGUAGES
Chinese
French
German
Spanish

SOCIAL STUDIES
US Geography
AP Human Geography
AP World History
AP European History

TEE
Media Communication I
Broadcast Journalism and Production II
Broadcast Journalism and Production III
Engineering Technology

*Feel free to explore other websites on the Resources Page (9) for more info and options!



Preparing individuals for employment in career pathways that relate to families and human needs.

Career Pathways with this Cluster:

Early Childhood Development and Services - People with careers in early childhood development and services nurture and teach children. They provide services in childcare centers, nursery schools, pre-schools, public schools, private households, family childcare homes, and before- and afterschool programs.

Counseling and Mental Health Services - People working in counseling and mental health services assist people with personal, family, educational, mental health, and career decisions and problems. Mental health care may be provided in hospitals, clinics, schools or private settings.

Family and Community Services - Employees with careers in family and community services help the homeless, housebound, and infirm cope with circumstances of daily living; counsel troubled and emotionally disturbed individuals; train or retrain the unemployed or underemployed; care for the elderly and the physically and mentally disabled; help the needy obtain financial assistance; and solicit contributions for various social services organizations.

Personal Care Services - People with careers in personal care services assist individuals with their personal appearance, including shampooing, cutting, coloring and styling hair; giving manicures, pedicures, and scalp and facial treatments; providing makeup analysis; cleaning and styling wigs and hairpieces; and providing personal fitness training. Also, within personal care services, funeral directors and attendants make funeral arrangements for grieving families.

Consumer Services - People with careers in consumer services assist individuals with decisions and problems relating to finance, real estate, insurance and consumer goods.

Based on your survey results and your own interests, which pathway sounds most like something you'd like to do? Once you have received your Kuder* log-in during your freshman year, research fields within that pathway until you find one you like. Fill in the chart below to help you learn more about the steps you need to take to achieve a career within that field.

Field I'd like to know more about: _____

If I complete...	Will I be able to get a job in this field?	What is the likelihood I will be able to keep a job in this field as long as I'd like? Is the number of available jobs in this field increasing or decreasing? (outlook)	What sort of income can I expect if I work in this field? (salary)
a HS Diploma			
some Post-Secondary Training			
an Associate's Degree or Certification			
a Bachelor's Degree (4-year college)			
an Advanced Degree			

Elective courses at WV that can help you achieve a career in this Cluster:

BUSINESS

Essential Technology
Introduction to Education
Education 2
Business Internship

ENGLISH

Public Speaking

FACS

Parenting
Child Development
Early Teaching Lab
Individual & Family Relationships
Fashion Merchandising

WORLD LANGUAGES

Chinese
French
German
Spanish

MATH

Probability and Statistics
AP Statistics

PE/HEALTH

Advanced Health

SCIENCE

Anatomy

SOCIAL STUDIES

Psychology
AP Psychology
Sociology
AP Government



For entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services.

Career Pathways within this Cluster:

Network Systems - Careers in Network Systems involve network analysis, planning and implementation; including design, installation, maintenance and management of network systems. Successful establishment and maintenance of information technology infrastructure is critical to the success of almost every 21st century organization. People with expertise in Network Systems are in high demand for a variety of positions in organizations of all sizes and types.

Information Support and Services - Careers in Information Support and Services involve IT deployment, including implementing information systems. Successful IT deployment — implementation of computer systems and software, provision of technical assistance, creation of technical documentation and management of information systems — is critical to the success of most 21st century organizations. People with expertise in Information Support and Services are in high demand for a variety of positions in organizations of all sizes and types.

Web and Digital Communications - Careers in Web and Digital Communications involve creating, designing and producing interactive multimedia products and services, including development of digitally-generated or computer-enhanced media used in business, training, entertainment, communications and marketing. Organizations of all types and sizes use digital media to communicate with existing and potential customers, to track transactions, and to collaborate with colleagues.

Programming and Software Development - Careers in Programming and Software Development involve the design, development, implementation and maintenance of computer systems and software, requiring knowledge of computer operating systems, programming languages and software development. People with expertise in programming and software development work with cutting-edge technologies to develop tomorrow's products for use by businesses and consumers. While many of the career opportunities in this area are in software companies, large organizations of other types such as Financial Services and Business—also offer many opportunities.

Based on your survey results and your own interests, which pathway sounds most like something you'd like to do? Fill in the chart below to help you learn more about the steps you need to take to achieve a career within that field.

Field I'd like to know more about: _____

If I complete...	Will I be able to get a job in this field?	What is the likelihood I will be able to keep a job in this field as long as I'd like? Is the number of available jobs in this field increasing or decreasing? (outlook)	What sort of income can I expect if I work in this field? (salary)
a HS Diploma			
some Post-Secondary Training			
an Associate's Degree or Certification			
a Bachelor's Degree (4-year college)			
an Advanced Degree			

Elective courses at WV that can help you achieve a career in this Cluster:

ART

Computer Graphics I
Computer Graphics II

BUSINESS

Webpage Design
Essential Technology
Marketing Technology
Visual Media
Interactive Media
Emerging Technology
Coding
Business Internship
VEI

ENGLISH

Public Speaking

WORLD LANGUAGES

Chinese
French
German
Spanish

MATH

AP Computer Science

SCIENCE

Genetics

TEE

Engineering Technology
Media Communication I
Broadcast Journalism
and Production II
Broadcast Journalism
and Production III
PLTW



Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

Career Pathways within this cluster:

Emergency and Fire Management Services - Every year, fires and other emergencies take thousands of lives and destroy property worth billions of dollars. Firefighters and emergency services workers help protect the public against these dangers by rapidly responding to a variety of emergencies. They are frequently the first emergency personnel at the scene of a traffic accident or medical emergency and may be called upon to put out a fire, treat injuries or perform other vital functions.

Security and Protective Services - Security personnel often work in public buildings such as museums or art galleries to protect paintings and exhibits by inspecting people and packages entering and leaving the building. In factories, laboratories, government buildings, data processing centers, and military bases, security officers protect information, products, computer codes, and defense secrets and check the credentials of people and vehicles entering and leaving the premises.

Law Enforcement Services - People depend on police officers and detectives to protect their lives and property. Law enforcement officers have duties that range from controlling traffic to preventing and investigating crimes. They maintain order; enforce laws and ordinances; issue traffic summonses; investigate accidents; present evidence in court; serve legal documents for the court system; and apprehend, arrest and process prisoners.

Correction Services - Workers in the Correction Services pathway are responsible for overseeing individuals who have been arrested and are awaiting trial or who have been convicted of a crime and sentenced to serve time in a jail, reformatory, or penitentiary. While the Primary mission of corrections is protection of the public, many in this field are involved with the treatment, education and reintegration of offenders.

Legal Services - The legal system affects nearly every aspect of our society, from buying a home to crossing the street. Workers in the Legal Services pathway form the backbone of this vital system, linking it to society in myriad ways. For this reason, they hold positions of great responsibility and are obligated to adhere to a strict code of ethics.

Based on your survey results and your own interests, which pathway sounds most like something you'd like to do? Fill in the chart below to help you learn more about the steps you need to take to achieve a career within that field.

Field I'd like to know more about: _____

If I complete...	Will I be able to get a job in this field?	What is the likelihood I will be able to keep a job in this field as long as I'd like? Is the number of available jobs in this field increasing or decreasing? (outlook)	What sort of income can I expect if I work in this field? (salary)
a HS Diploma			
some Post-Secondary Training			
an Associate's Degree or Certification			
a Bachelor's Degree (4-year college)			
an Advanced Degree			

Elective courses at WV that can help you achieve a career in this Cluster:

BUSINESS

Accounting
Business Law
AP Macroeconomics
Business Internship
VEI

ENGLISH

Public Speaking

FACS

Ind. & Fam. Relationships

WORLD LANGUAGES

Chinese
French
Spanish
German

MATH

Probability and Statistics
AP Statistics

SCIENCE

Genetics

SOCIAL STUDIES

AP Government
Psychology (Reg and AP)
Sociology
Military History



Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

Career Pathways within this Cluster:

Manufacturing Production Process Development – Employees in Manufacturing Production Process Development are responsible for product design and design of the manufacturing process. They work with customers to ensure the manufacturing process produces a product that meets or exceeds customer expectations. They also monitor the manufacturing process and the materials used to manufacture the product.

Maintenance, Installation, and Repair – People with careers in Maintenance, Installation and Repair perform preventive maintenance procedures on machines, tools and equipment. These are performed routinely and on a regular basis. They also troubleshoot and repair electrical, electronic and mechanical systems. This will include mechanical repair as well as using computer-based inventory control systems, retrieving information histories on each machine from computer records, and recording repair activities on the system to keep accurate records of repairs performed on each machine

Logistics and Inventory Control – Logistics and Inventory Control workers move raw materials, unload trucks, wrap pallets for shipment, and communicate with traffic managers.

Health, Safety, and Environmental Assurance – Health, Safety, and Environmental Management workers are involved in assessing and managing risks associated with safety and environmental issues. The people employed in this pathway research, plan, and carry out activities to make our environment safer and cleaner.

Quality Assurance – Quality Assurance employees assure that standards and procedures are adhered to and that delivered products or services meet performance requirements. They may have responsibility for monitoring and maintaining the quality of parts and manufacturing processes. This could include identifying the raw product to ensure it meets specifications, as well as measuring or otherwise testing products and parts to ensure they meet required customer specifications.

Production – People with careers in production work on the shop floor making parts or assembling them. They work with machines, making or assembling electronic parts, constructing or assembling modular housing, performing welding jobs, or printing various materials.

Based on your survey results and your own interests, which pathway sounds most like something you'd like to do? Fill in the chart below to help you learn more about the steps you need to take to achieve a career within that field.

Field I'd like to know more about: _____

If I complete...	Will I be able to get a job in this field?	What is the likelihood I will be able to keep a job in this field as long as I'd like? Is the number of available jobs in this field increasing or decreasing? (outlook)	What sort of income can I expect if I work in this field? (salary)
a HS Diploma			
some Post-Secondary Training			
an Associate's Degree or Certification			
a Bachelor's Degree (4-year college)			
an Advanced Degree			

Elective courses at WV that can help you achieve a career in this Cluster:

BUSINESS

Essential Technology
Business Management
Business Internship
Business Math
VEI

WORLD LANGUAGES

Chinese
French
German
Spanish

MATH

Probability & Statistics
Trigonometry

SCIENCE

Chemistry
AP Chemistry

TEE

Engineering Technology
Woods Fabrication I
Woods Fabrication II
Power Mechanics
Automotive Maintenance
Automotive Mechanics
Automotive Servicing
Engineering Technology
Drafting & Design
CADD
PLTW

*Feel free to explore other websites on the Resources Page (9) for more info and options!



Planning, managing, and performing marketing activities to reach organizational objectives.

Career Pathways within this Cluster:

Marketing Management - People with careers in marketing management formulate policies and direct the operations of businesses and corporations nonprofit institutions and other organizations. In small firms, the owner or chief executive officer may assume all advertising, promotions, marketing, sales and public relations responsibilities. In large firms, which may offer numerous products and services nationally or even worldwide, an executive vice president directs overall advertising, promotions, marketing, sales and public relations policies.

Marketing Communications - Marketing communications employees plan, coordinate and implement marketing strategies advertising promotion and public relations activities. These individuals are often prime candidates for advancement because of the strategies, advertising, activities, importance and high visibility of their jobs.

Marketing Research - Employees in marketing research are concerned with understanding people and organizations. They collect and analyze many different types of information to design new products, to predict future sales and to position their own company's strategies against those of its competitors.

Professional Sales - Employees in professional sales are involved in the transfer of goods and services in the economy both to businesses and to individual consumers.

Merchandising - Employees in buying and merchandising positions get the product into the hands of the customer. This process includes forecasting, planning, buying, displaying, selling and providing customer service.

Based on your survey results and your own interests, which pathway sounds most like something you'd like to do? Fill in the chart below to help you learn more about the steps you need to take to achieve a career within that field.

Field I'd like to know more about: _____

If I complete...	Will I be able to get a job in this field?	What is the likelihood I will be able to keep a job in this field as long as I'd like? Is the number of available jobs in this field increasing or decreasing? (outlook)	What sort of income can I expect if I work in this field? (salary)
a HS Diploma			
some Post-Secondary Training			
an Associate's Degree or Certification			
a Bachelor's Degree (4-year college)			
an Advanced Degree			

Elective courses at WV that can help you achieve a career in this Cluster:

- | | | |
|------------------------|------------------------|--------------------------|
| <u>ART</u> | Emerging Technology | Spanish |
| Computer Graphics I | Essential Technology | <u>MATH</u> |
| Computer Graphics II | Business Math | AP Statistics |
| Drawing I | Business Internship | Probability & Statistics |
| Drawing II | VEI | <u>SOCIAL STUDIES</u> |
| Drawing III | <u>ENGLISH</u> | Psychology (Reg and AP) |
| <u>BUSINESS</u> | Public Speaking | Sociology |
| Accounting | Comm. & Comp. | AP Human Geography |
| Marketing | <u>FACS</u> | AP Government |
| Advertising | Fashion Merchandising | <u>TEE</u> |
| Business Management | Apparel Construction | Drafting and Design |
| Business Orientation | <u>WORLD LANGUAGES</u> | Media Communication I |
| Marketing Technology | Chinese | |
| Visual Media | French | |
| Multimedia Innovations | German | |
| Webpage Design | | |

*Feel free to explore other websites on the Resources Page (9) for more info and options!



Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

Career Pathways within this Cluster:

Engineering and Technology – For a future in engineering and technology, students should study and apply principles from advanced mathematics, life sciences, physical science, earth and space science, and technology. In addition, future engineers and technologists should learn certain processes in mathematics, science and technology. In Grades 9 -12, all future engineers and technologists should study mathematics each year, learning important mathematical concepts and processes defined by the National Council of Teachers of Mathematics in Principles and Standards for School Mathematics. With such knowledge and skills, students will be able to demonstrate the following competencies: apply mathematics, science and technology concepts to solve problems quantitatively in engineering projects involving design, development or production in various technologies, and recognize the core concepts of technology and their relationships with engineering, science and math, and other subjects. All future engineers and technologists should learn important science concepts and processes with an understanding of physics, chemistry and biology as a minimal set. These concepts and processes are defined by the National Research Council in the National Science Education Standards and by the American Association for the Advancement of Science in Benchmarks for Science Literacy. Additionally, learners should become proficient in the areas of technology defined by the Standards for Technological Literacy.

Science and Math – Those who choose careers in science and mathematics apply essential mathematics and science content and skills in a real world context. Science and mathematics occupations include those in physical, environmental and human endeavors. Career possibilities range from teachers of science and mathematics to lab technicians to NASA astronauts. Preparation for such occupations requires the following: understanding the process and applying the skills necessary to engage in discovery, recognizing the need to obtain a broad education in science and mathematics and share (communicate) this knowledge with the world, and understanding the role of gathering, creating, processing and sharing data in science and mathematics.

Based on your survey results and your own interests, which pathway sounds most like something you'd like to do? Fill in the chart below to help you learn more about the steps you need to take to achieve a career within that field.

Field I'd like to know more about: _____

If I complete...	Will I be able to get a job in this field?	What is the likelihood I will be able to keep a job in this field as long as I'd like? Is the number of available jobs in this field increasing or decreasing? (outlook)	What sort of income can I expect if I work in this field? (salary)
a HS Diploma			
some Post-Secondary Training			
an Associate's Degree or Certification			
a Bachelor's Degree (4-year college)			
an Advanced Degree			

Elective courses at WV that can help you achieve a career in this Cluster:

BUSINESS

College Test Prep
Essential Technology
Marketing Technology
Visual Media
Multimedia Innovations
Webpage Design
Emerging Technology
Coding

FACS

Interior Design

WORLD LANGUAGES

Chinese
French
German
Spanish

MATH

Probability and Statistics
AP Statistics
Trigonometry
AP Computer Science
Calculus Courses

SCIENCE

Physics
Honors Physics
AP Physics
Chemistry
Honors Chemistry
AP Chemistry
Genetics
Anatomy & Physiology
Horticulture

AP Biology

AP Environmental
Cosmic Journey
Astronomy

SOCIAL STUDIES

AP Psychology

TEE

Drafting & Design
CADD
Architectural Drafting
Woods I
Woods II
PLTW
Automotive Maintenance
Automotive Mechanics
Automotive Servicing

*Feel free to explore other websites on the Resources Page (9) for more info and options!



Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support ser-

vices such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Career Pathways within this Cluster:

Transportation Systems and Infrastructure - Careers in the Transportation Systems/Infrastructure Planning, Management and Regulation pathway deal with all aspects of the design and operation of our public transportation systems – road, air, sea and rail. These functions are primarily the responsibility of people who are employed by federal, state and local transportation agencies.

Logistics, Planning and Management Systems - Careers in the Logistics Planning and Management pathway involve the planning, management and control of the physical distribution of materials, products, and people. Often, more than one mode of transportation is used as distribution efforts, both national and global, can be complex. These people are responsible for the plans which will ensure that cargo arrives when and where it should in the safest and most economical manner.

Warehousing and Distribution Center Operations - Careers in Warehousing and Distribution Center Operations focus on the operation of transportation and distribution facilities including ports, terminals, warehouses, and other types of facilities. All cargo needs to be tracked, sorted, labeled, and loaded accurately and safely. Timing is also important since many loads must adhere to a schedule in order to satisfy the needs of the customer.

Facility and Mobile Equipment Maintenance - Careers in the Facility and Mobile Equipment Maintenance pathway include the maintenance, repair, and servicing of vehicles and transportation facilities, as well as the refueling of mobile equipment. All transportation relies on equipment which must function as designed, whenever needed.

Health, Safety and Environmental Management - Careers in the Health and Safety Management pathway involve assessing and managing risks associated with safety and environmental issues. The well-being of people and our environment is more important and challenging today than ever before in history.

Transportation Operations - Careers in the Transportation Operations Pathway are really on the move! These are the people that drive or pilot the vehicles that transport people and freight. Equally important to this pathway are the support people who ensure that any cargo transport is safe, secure, and on time.

Sales and Service - Careers in the Sales and Service pathway involve the marketing and selling of transportation services to new customers as well as the management of existing customer relationships and cus-

Based on your survey results and your own interests, which pathway sounds most like something you'd like to do? Fill in the chart below to help you learn more about the steps you need to take to achieve a career within that field.

Field I'd like to know more about: _____

If I complete...	Will I be able to get a job in this field?	What is the likelihood I will be able to keep a job in this field as long as I'd like? Is the number of available jobs in this field increasing or decreasing? (outlook)	What sort of income can I expect if I work in this field? (salary)
a HS Diploma			
some Post-Secondary Training			
an Associate's Degree or Certification			
a Bachelor's Degree (4-year college)			
an Advanced Degree			

Elective courses at WV that can help you achieve a career in this Cluster:

BUSINESS

Essential Technology
Marketing Technology
Coding
Business Internship
Marketing
VEI

ENGLISH

Public Speaking

WORLD LANGUAGES

Chinese
French
Spanish
German

MATH

Business Math
AP Statistics
Probability & Statistics

SCIENCE

AP Environmental

SOCIAL STUDIES

AP Human Geography
US Geography

TEE

Automotive Maintenance
Automotive Mechanics
Automotive Servicing
Power Mechanics
PLTW

*Feel free to explore other websites on the Resources Page (9) for more info and options!

Additional Notes...

Waubonsie Valley High School

Home of the Warriors

Our Mission...

“At Waubonsie Valley High School our mission is to foster students’ learning to its highest potential while providing diverse and challenging educational experiences that academically, socially, and emotionally shape our students into independent and productive members of society.”

Our Vision...

“In support of our mission, Waubonsie is a community where students, staff, and parents can safely and collaboratively work to create a culture that promotes student learning, self-advocacy, and tradition & spirit.”

