

Phillips High School Career Clusters and Pathways



Updated February 16, 2015

CAREER PATHWAYS INTRODUCTION

“What is a career pathway?”

A career pathway is a guide for students, parents or guardians, teachers and counselors. All careers are divided into seventeen suggested career areas. Each area consists of occupations where people perform related tasks. Individual career plans can focus accomplishment towards an identified career goal.

Because of the changing demands by employers and the world of work, 80% of new jobs will require more than a high school diploma but less than a four-year degree. Current graduates, unlike their parents, will probably change jobs 6-7 times in their lifetime. Although four-year college graduates will continue to be needed in the future, greater knowledge of career options other than those requiring a university degree will be critical for students entering the job market in the 21st century.

“What are these pathways used for?”

Career Pathways will provide the sequence necessary for you to focus on a career goal as you proceed through your high school career. A carefully written career plan (Individual Learning Plan – ILP) will help you take high school courses that will give you a head start on training for a career. Each pathway provides a program of study for careers from entry level to levels requiring a baccalaureate degree and beyond. Every department of the school is included in at least one pathway. Each pathway allows you an expansion of choices in a cross-departmental approach. With careful planning, movement between pathways or levels of post-secondary education can change at any time during your high school years.

Phillips High School Career Pathways will also prepare you for the changing world of the future. Whether that future is training at a technical college, in an apprenticeship or at a four-year university; Career Pathways will be a systematic plan for all PHS students to progress through a sequence of courses leading toward accomplishing their identified academic and/or career goals.

“What are the seventeen career areas?”

The seventeen career pathways are listed below and descriptions follow:

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

CAREER PATHWAYS

We have listed sample careers for each cluster that include entry level (right out of high school), semi-professional (require technical college and/or experience) and professional occupations (require advanced degrees, with the four year college degree being minimal). These lists are incomplete, but they will give you an understanding of the kinds of work that relate to each career cluster.

Use this guide to complete the Career Clusters Interest Survey for each of the seventeen career paths and select the one most appropriate for you at this time. Don't worry if you are interested in **more** than one career path. You will probably find some similar high school classes recommended for each career.

You might also want to get some feedback from a parent, teacher, counselor or good friend about your skills or interest. Sometimes others can see parts of us that we are unaware even exist. Sometimes a friend or other adult may think they know what is the best choice for us, and it may or may not be. Doing some self-exploration and career exploration for yourself will help you be able to make better judgments about the helpfulness of other people's advice.

To make things easier for you, we have listed the seventeen career pathways used by the School District of Phillips. Ninety-five percent of the occupations available today fall within these pathways. Consider these pathways and select classes that relate to the pathway of your preference.

Career Clusters Interest Survey

Name _____

School _____ Date _____

Directions: Check the items in each box that best describe you. You may make as many or as few checks in each box as you choose. Add up the number of checks in each box. Look to see which three boxes have the highest numbers. Find the corresponding Career Clusters on the pages immediately following this survey to see which Career Clusters you may want to explore.

BOX 1	<p>Activities that describe what I like to do:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Learn how to make things grow and stay alive. <input type="checkbox"/> Make the best use of the earth's natural resources. <input type="checkbox"/> Hunt and/or fish. <input type="checkbox"/> Protect the environment. <input type="checkbox"/> Be outdoors in all kinds of weather. <input type="checkbox"/> Plan, budget, and keep records. <input type="checkbox"/> Operate machines and keep them in good repair. 	<p>Personal qualities that describe me:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Self-reliant <input type="checkbox"/> Nature lover <input type="checkbox"/> Physically active <input type="checkbox"/> Planner <input type="checkbox"/> Creative problem solver 	<p>School subjects that I like like:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math <input type="checkbox"/> Life Sciences <input type="checkbox"/> Earth Sciences <input type="checkbox"/> Chemistry <input type="checkbox"/> Agriculture 	<p>Total number checked in Box 1</p> <div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto;"></div>
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BOX 2	<p>Activities that describe what I like to do:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Read and follow blueprints and/or instructions. <input type="checkbox"/> Picture in my mind what a finished product looks like. <input type="checkbox"/> Work with my hands. <input type="checkbox"/> Perform work that requires precise results. <input type="checkbox"/> Solve technical problems. <input type="checkbox"/> Visit and learn from beautiful, historic, or interesting buildings. <input type="checkbox"/> Follow logical, step-by-step procedures. 	<p>Personal qualities that describe me:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Curious <input type="checkbox"/> Good at following directions <input type="checkbox"/> Pay attention to detail <input type="checkbox"/> Good at visualizing possibilities <input type="checkbox"/> Patient and persistent 	<p>School subjects that I like like:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math <input type="checkbox"/> Architecture <input type="checkbox"/> Physical Sciences <input type="checkbox"/> Construction <input type="checkbox"/> Electrical & Mechanical 	<p>Total number checked in Box 2</p> <div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto;"></div>
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BOX 3	<p>Activities that describe what I like to do:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Use my imagination to communicate new information to others. <input type="checkbox"/> Perform in front of others. <input type="checkbox"/> Read and write. <input type="checkbox"/> Play a musical instrument. <input type="checkbox"/> Perform creative, artistic activities. <input type="checkbox"/> Use video and recording technology. <input type="checkbox"/> Design brochures and posters. 	<p>Personal qualities that describe me:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Creative and imaginative <input type="checkbox"/> Good communicator/good vocabulary <input type="checkbox"/> Curious about new technology <input type="checkbox"/> Relate well to feelings and thoughts of others <input type="checkbox"/> Determined/persistent 	<p>School subjects that I like like:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Art <input type="checkbox"/> Music <input type="checkbox"/> Speech <input type="checkbox"/> Literature <input type="checkbox"/> Graphics Applications 	<p>Total number checked in Box 3</p> <div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto;"></div>
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BOX 4	<p>Activities that describe what I like to do:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform routine, organized activities but can be flexible. <input type="checkbox"/> Work with numbers and detailed information. <input type="checkbox"/> Be the leader in a group. <input type="checkbox"/> Make business contact with people. <input type="checkbox"/> Work with computer programs. <input type="checkbox"/> Create reports and communicate ideas. <input type="checkbox"/> Plan my work and follow instructions without close supervision. 	<p>Personal qualities that describe me:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Organized <input type="checkbox"/> Practical and logical <input type="checkbox"/> Patient <input type="checkbox"/> Considerate <input type="checkbox"/> Responsible 	<p>School subjects that I like like:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Computer Applications/Business and Information Technology <input type="checkbox"/> Accounting <input type="checkbox"/> Math <input type="checkbox"/> English <input type="checkbox"/> Economics 	<p>Total number checked in Box 4</p> <div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto;"></div>
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BOX 5	Activities that describe what I like to do: <ul style="list-style-type: none"> <input type="checkbox"/> Communicate with different types of people. <input type="checkbox"/> Help others with their homework or to learn new things. <input type="checkbox"/> Go to school. <input type="checkbox"/> Direct and plan activities for others. <input type="checkbox"/> Handle several responsibilities at once. <input type="checkbox"/> Obtain new information. <input type="checkbox"/> Help people overcome their challenges. 	Personal qualities that describe me: <ul style="list-style-type: none"> <input type="checkbox"/> Friendly <input type="checkbox"/> Decision maker <input type="checkbox"/> Helpful <input type="checkbox"/> Innovative/Curious <input type="checkbox"/> Good listener 	School subjects that I like: <ul style="list-style-type: none"> <input type="checkbox"/> Language Arts <input type="checkbox"/> Social Studies <input type="checkbox"/> Math <input type="checkbox"/> Science <input type="checkbox"/> Psychology 	Total number checked in Box 5 <div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto;"></div>
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BOX 6	Activities that describe what I like to do: <ul style="list-style-type: none"> <input type="checkbox"/> Work with numbers. <input type="checkbox"/> Work to meet a deadline. <input type="checkbox"/> Make predictions based on existing facts. <input type="checkbox"/> Have a framework of rules by which to operate. <input type="checkbox"/> Analyze financial information and interpret it to others. <input type="checkbox"/> Handle money with accuracy and reliability. <input type="checkbox"/> Take pride in the way I dress and look. 	Personal qualities that describe me: <ul style="list-style-type: none"> <input type="checkbox"/> Trustworthy <input type="checkbox"/> Orderly <input type="checkbox"/> Self-Confident <input type="checkbox"/> Logical <input type="checkbox"/> Methodical or efficient 	School subjects that I like: <ul style="list-style-type: none"> <input type="checkbox"/> Accounting <input type="checkbox"/> Math <input type="checkbox"/> Economics <input type="checkbox"/> Personal Finance <input type="checkbox"/> Business Law 	Total number checked in Box 6 <div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto;"></div>
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BOX 7	Activities that describe what I like to do: <ul style="list-style-type: none"> <input type="checkbox"/> Be involved in politics. <input type="checkbox"/> Negotiate, defend, and debate ideas and topics. <input type="checkbox"/> Plan activities and work cooperatively with others. <input type="checkbox"/> Work with details. <input type="checkbox"/> Perform a variety of duties that may change often. <input type="checkbox"/> Analyze information and interpret it to others. <input type="checkbox"/> Travel and see things that are new to me. 	Personal qualities that describe me: <ul style="list-style-type: none"> <input type="checkbox"/> Good communicator <input type="checkbox"/> Competitive <input type="checkbox"/> Service-minded <input type="checkbox"/> Well-organized <input type="checkbox"/> Problem Solver 	School subjects that I like: <ul style="list-style-type: none"> <input type="checkbox"/> Government <input type="checkbox"/> Language Arts <input type="checkbox"/> History <input type="checkbox"/> Math <input type="checkbox"/> Foreign Language 	Total number checked in Box 7 <div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto;"></div>
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BOX 8	Activities that describe what I like to do: <ul style="list-style-type: none"> <input type="checkbox"/> Work under pressure. <input type="checkbox"/> Help sick people and animals. <input type="checkbox"/> Make decisions based on logic and information. <input type="checkbox"/> Participate in health and science classes. <input type="checkbox"/> Respond quickly and calmly in emergencies. <input type="checkbox"/> Work as a member of a team. <input type="checkbox"/> Follow guidelines precisely and meet strict standards of accuracy. 	Personal qualities that describe me: <ul style="list-style-type: none"> <input type="checkbox"/> Compassionate and caring <input type="checkbox"/> Good at following directions <input type="checkbox"/> Thorough and careful <input type="checkbox"/> Patient <input type="checkbox"/> Good listener 	School subjects that I like: <ul style="list-style-type: none"> <input type="checkbox"/> Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Math <input type="checkbox"/> Health, Lifeguarding <input type="checkbox"/> Language Arts 	Total number checked in Box 8 <div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto;"></div>
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BOX 9	Activities that describe what I like to do: <ul style="list-style-type: none"> <input type="checkbox"/> Investigate new places and activities. <input type="checkbox"/> Work with all ages and types of people. <input type="checkbox"/> Organize activities in which other people enjoy themselves. <input type="checkbox"/> Have a flexible schedule. <input type="checkbox"/> Help people make up their minds. <input type="checkbox"/> Communicate easily, tactfully, and courteously. <input type="checkbox"/> Learn about other cultures. 	Personal qualities that describe me: <ul style="list-style-type: none"> <input type="checkbox"/> Considerate <input type="checkbox"/> Self-motivated <input type="checkbox"/> Works well with others <input type="checkbox"/> Outgoing <input type="checkbox"/> Slow to anger 	School subjects that I like: <ul style="list-style-type: none"> <input type="checkbox"/> Language Arts/Speech <input type="checkbox"/> Foreign Language <input type="checkbox"/> Social Sciences <input type="checkbox"/> Business Education <input type="checkbox"/> Food Services 	Total number checked in Box 9 <div style="border: 1px solid black; width: 60px; height: 40px; margin: 0 auto;"></div>
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BOX 10	Activities that describe what I like to do: <ul style="list-style-type: none"> <input type="checkbox"/> Care about people, their needs, and their problems. <input type="checkbox"/> Participate in community services and/or volunteering. <input type="checkbox"/> Listen to other people's viewpoints. <input type="checkbox"/> Help people be at their best. <input type="checkbox"/> Work with people from preschool age to old age. <input type="checkbox"/> Think of new ways to do things. <input type="checkbox"/> Make friends with different kinds of people. 	Personal qualities that describe me: <ul style="list-style-type: none"> <input type="checkbox"/> Good communicator/good listener <input type="checkbox"/> Caring <input type="checkbox"/> Non-materialistic <input type="checkbox"/> Intuitive and logical <input type="checkbox"/> Non-judgmental 	School subjects that I like: <ul style="list-style-type: none"> <input type="checkbox"/> Language Arts <input type="checkbox"/> Psychology <input type="checkbox"/> Family and Consumer Education <input type="checkbox"/> Finance <input type="checkbox"/> Foreign Language 	Total number checked in Box 10 <div style="border: 1px solid black; width: 60px; height: 40px; margin: 0 auto;"></div>
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BOX 11	Activities that describe what I like to do: <ul style="list-style-type: none"> <input type="checkbox"/> Work with computers. <input type="checkbox"/> Reason clearly and logically to solve complex problems. <input type="checkbox"/> Use machines, techniques, and processes. <input type="checkbox"/> Read technical materials and diagrams and solve technical problems. <input type="checkbox"/> Adapt to change. <input type="checkbox"/> Play video games and figure out how they work. <input type="checkbox"/> Concentrate for long periods without being distracted. 	Personal qualities that describe me: <ul style="list-style-type: none"> <input type="checkbox"/> Logical/analytical thinker <input type="checkbox"/> See details in the big picture <input type="checkbox"/> Persistent <input type="checkbox"/> Good concentration skills <input type="checkbox"/> Precise and accurate 	School subjects that I like: <ul style="list-style-type: none"> <input type="checkbox"/> Math <input type="checkbox"/> Science <input type="checkbox"/> Computer Tech/Applications <input type="checkbox"/> Communications <input type="checkbox"/> Graphics Applications 	Total number checked in Box 11 <div style="border: 1px solid black; width: 60px; height: 40px; margin: 0 auto;"></div>
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BOX 12	Activities that describe what I like to do: <ul style="list-style-type: none"> <input type="checkbox"/> Work under pressure or in the face of danger. <input type="checkbox"/> Make decisions based on my own observations. <input type="checkbox"/> Interact with other people. <input type="checkbox"/> Be in positions of authority. <input type="checkbox"/> Respect rules and regulations. <input type="checkbox"/> Debate and win arguments. <input type="checkbox"/> Observe and analyze people's behavior. 	Personal qualities that describe me: <ul style="list-style-type: none"> <input type="checkbox"/> Adventurous <input type="checkbox"/> Dependable <input type="checkbox"/> Community-minded <input type="checkbox"/> Decisive <input type="checkbox"/> Optimistic 	School subjects that I like: <ul style="list-style-type: none"> <input type="checkbox"/> Language Arts <input type="checkbox"/> Psychology <input type="checkbox"/> History <input type="checkbox"/> Law Enforcement <input type="checkbox"/> Health 	Total number checked in Box 12 <div style="border: 1px solid black; width: 60px; height: 40px; margin: 0 auto;"></div>
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BOX 13	Activities that describe what I like to do: <ul style="list-style-type: none"> <input type="checkbox"/> Work with my hands and learn that way. <input type="checkbox"/> Put things together. <input type="checkbox"/> Do routine, organized and accurate work. <input type="checkbox"/> Perform activities that produce tangible results. <input type="checkbox"/> Apply math to work out solutions. <input type="checkbox"/> Use hand and power tools and operate equipment/machinery. <input type="checkbox"/> Visualize objects in three dimensions from flat drawings. 	Personal qualities that describe me: <ul style="list-style-type: none"> <input type="checkbox"/> Practical <input type="checkbox"/> Observant <input type="checkbox"/> Physically active <input type="checkbox"/> Step-by-step thinker <input type="checkbox"/> Coordinated 	School subjects that I like: <ul style="list-style-type: none"> <input type="checkbox"/> Math-Geometry <input type="checkbox"/> Chemistry <input type="checkbox"/> Technology Education <input type="checkbox"/> Physics <input type="checkbox"/> Language Arts 	Total number checked in Box 13 <div style="border: 1px solid black; width: 60px; height: 40px; margin: 0 auto;"></div>
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BOX 14	Activities that describe what I like to do: <input type="checkbox"/> Shop and go to the mall. <input type="checkbox"/> Be in charge. <input type="checkbox"/> Make displays and promote ideas. <input type="checkbox"/> Give presentations and enjoy public speaking. <input type="checkbox"/> Persuade people to buy products or to participate in activities. <input type="checkbox"/> Communicate my ideas to other people. <input type="checkbox"/> Take advantage of opportunities to make extra money.	Personal qualities that describe me: <input type="checkbox"/> Enthusiastic <input type="checkbox"/> Competitive <input type="checkbox"/> Creative <input type="checkbox"/> Self-motivated <input type="checkbox"/> Persuasive	School subjects that I like: <input type="checkbox"/> Language Arts <input type="checkbox"/> Math <input type="checkbox"/> Business Education <input type="checkbox"/> Economics <input type="checkbox"/> Computer Applications	Total number checked in Box 14 <div style="border: 1px solid black; width: 60px; height: 40px; margin: 0 auto;"></div>
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BOX 15	Activities that describe what I like to do: <input type="checkbox"/> Interpret formulas. <input type="checkbox"/> Find the answers to questions. <input type="checkbox"/> Work in a laboratory. <input type="checkbox"/> Figure out how things work and investigate new things. <input type="checkbox"/> Explore new technology. <input type="checkbox"/> Experiment to find the best way to do something. <input type="checkbox"/> Pay attention to details and help things be precise.	Personal qualities that describe me: <input type="checkbox"/> Detail-oriented <input type="checkbox"/> Inquisitive <input type="checkbox"/> Objective <input type="checkbox"/> Methodical <input type="checkbox"/> Mechanically inclined	School subjects that I like: <input type="checkbox"/> Math <input type="checkbox"/> Science <input type="checkbox"/> Mechanical Drawing <input type="checkbox"/> Computer Technology <input type="checkbox"/> Technology Education	Total number checked in Box 15 <div style="border: 1px solid black; width: 60px; height: 40px; margin: 0 auto;"></div>
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BOX 16	Activities that describe what I like to do: <input type="checkbox"/> Travel <input type="checkbox"/> See well and have quick reflexes. <input type="checkbox"/> Solve mechanical problems. <input type="checkbox"/> Design efficient processes. <input type="checkbox"/> Anticipate needs and prepare to meet them. <input type="checkbox"/> Drive or ride. <input type="checkbox"/> Move things from one place to another.	Personal qualities that describe me: <input type="checkbox"/> Realistic <input type="checkbox"/> Mechanical <input type="checkbox"/> Coordinated <input type="checkbox"/> Observant <input type="checkbox"/> Planner	School subjects that I like: <input type="checkbox"/> Math <input type="checkbox"/> Technology Education <input type="checkbox"/> Physical Sciences <input type="checkbox"/> Economics <input type="checkbox"/> Foreign Language	Total number checked in Box 16 <div style="border: 1px solid black; width: 60px; height: 40px; margin: 0 auto;"></div>
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Source: Adapted from the Guidance Division Survey, Oklahoma Department of Career and Technology Education (2005)

Note: This survey does not make any claims of statistical reliability and has not been normed. It is intended for use as a guidance tool to generate discussion regarding careers and is valid for that purpose.

Disclaimer: Your interests may change over time. These survey results are intended to assist you with informal career exploration. Consider more formal assessments and other resources or services to help you plan your career. This survey does not make any claims of statistical reliability.

The Seventeen Career Clusters

<p>1</p>		<p>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.</p>
<p>2</p>		<p>Careers in designing, planning, managing, building, and maintaining the built environment.</p>
<p>3</p>		<p>Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.</p>
<p>4</p>		<p>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.</p>
<p>5</p>		<p>Planning, managing, and providing education and training services, and related learning support services.</p>
<p>6</p>		<p>Planning, services for financial and investment planning, banking, insurance, and business financial management.</p>
<p>7</p>		<p>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.</p>
<p>8</p>		<p>Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.</p>
<p>9</p>		<p>Hospitality and Tourism encompasses the management, marketing, and operations of restaurants and other food services, lodging, attractions and recreation events, and travel-related services.</p>
<p>10</p>		<p>Preparing individuals for employment in career pathways that relate to families and human needs.</p>

<p>11</p> 	<p>Building linkages in IT occupations framework for entry-level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services.</p>
<p>12</p> 	<p>Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.</p>
<p>13</p> 	<p>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.</p>
<p>14</p> 	<p>Planning, managing, and performing marketing activities to reach organizational objectives.</p>
<p>15</p> 	<p>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.</p>
<p>16</p> 	<p>Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.</p>
<p>17</p> 	<p>People who study the liberal arts are sharpening their critical thinking and organizational skills. Liberal arts degrees are considered excellent preparation for careers in a variety of areas including business, journalism, education, law and the arts.</p>

My top three Career Clusters of interest are:

1. _____
2. _____
3. _____

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



States' Career Clusters Initiative, 2008, www.careerclusters.org

For more information, check with a school counselor at your high school.

My mother drew a distinction between achievement and success. She said that 'achievement is the knowledge that you have studied and worked hard and done the best that is in you. Success is being praised by others, and that's nice, too, but not as important or satisfying. Always aim for achievement and forget about success.'

--Helen Hayes



This diverse career cluster prepares learners for careers in the planning, implementation, production, management, processing and/or marketing of agricultural commodities and services including food, fiber, wood products, natural resources, horticulture and other plant and animal products. Agriculture in Wisconsin includes science, marketing, service, production, supply, processing, preservation of the food supply, plants, animals and natural resources. This area employs over 12% of Wisconsin's workforce.

Students planning to enter a field in agriculture, food, and natural resources need a solid background in math, science, communications, and technical skills. Education and training can be obtained in high schools, technical colleges, two-year community colleges, four-year colleges, apprenticeship programs, and career technical schools/institutes. Some careers may require advanced or professional degrees.

The Seven Pathways	Entry Level	Technical College	Four-Year College
Plant Systems	Farmer Rancher Tree Pruner	Biotechnology Lab Technician Soil Technician	Agricultural Journalist Plant Breeder/Geneticist
Animal Systems	Animal Groomer Animal Trainer Animal Worker	Veterinary Assistant Animal Breeder Vet Technician	Agricultural Educator Veterinarian Wildlife Biologist
Natural Resource Systems	Logger Nursery Worker Rock Splitter-Quarry	Forest Technician Water Monitoring Technician Cartographer	Ecologist Wildlife Manager Range Manager
Environmental Service Systems	Hazardous Materials Handler Recycler	Hazardous Materials Technician Water Technologist	Chemical Engineer Toxicologist
Food Products & Processing Systems	Agricultural Salesperson Meat Cutter/Grader	Dairy Technologist Agricultural Inspector	Biochemist Nutritionist
Power, Structural & Technical Systems	Power Plant Worker	Machine Operator Welder	Agricultural Engineer Agricultural Educator
Agribusiness Systems	Farmer Rancher	Agricultural Commodity Broker Agricultural Products Buyer	Agricultural Educator Farm Manager

Recommended High School Courses

Accounting (TC)	Hunt, Hike, Write
Advanced Algebra(TC)	Intro to Technology
Algebra	Metals
Anatomy & Physiology(TC)	Metals Fabrication(TC)
AP Chemistry	Outdoor Ed
Applied Algebra	Physics
Applied Geometry	Power & Energy
Applied Physical Science	Power & Energy R&D
Biology II	Trig/Pre-Calculus(TC)
AP Calculus(TC)	Psychology (YO)
MEM, MEM II (TC)	Adv Stats
Chemistry	Student Assistantships
Computer Applications	Field Science I, II, III
Electrical/Mechanical Systems	Western Civ/Current Hist
Geometry	Weather & Climate
Tech Math (TC)	World Language

Recommended Co-Curricular Activities

Athletics	National Honor Society
FBLA	SkillsUSA
Forensics	Student Council
High Quiz Bowl	Teen Court
MAA Math Contest	Yearbook
Model UN	

Investigate careers and post-secondary education at WISCareers and CareerClusters.org: www.phillips.k12.wi.us under Quick Links, 'Guidance', then 'High School Guidance', then 'Links & Downloads'





The Architecture and Construction career cluster prepares learners for careers in designing, planning, managing, building and maintaining the built environment. Individuals employed in these careers work on new structure, restorations, additions, alterations and repairs.

Students who want to pursue a career in the Architecture and Construction cluster need a solid background in math, science and technical skills. Education and training can be obtained in high schools,

technical colleges, two-year community colleges, four-year colleges, apprenticeship programs and career technical schools/institutes. Some careers may require advanced or professional degrees.

Students who are curious, good at following directions, pay attention to detail, good at visualizing possibilities, patient and persistent are drawn to careers in the Architecture and Construction career cluster. These students tend to like reading and following blueprints and/or instructions; picturing what finished products look like; working with their hands; performing work that requires precise results; solving technical problems; following logical step-by-step procedures; and visiting and learning from beautiful, historic or interesting buildings.

The Three Pathways	Entry Level	Technical College	Four-Year College
Design/Pre-Construction		Interior Design Asst Mechanical Drafter Civil Engineer Technician	Civil Engineer Landscape Architect Interior Designer
Construction	Mason Painter Roofer	Design Technician Carpenter Electronic Systems Tech	Foreman/Manager Superintendent
Maintenance/Operations	Hazardous Material Remover Mason	Wastewater Maintenance Technician Carpenter	Environmental Engineer Construction Foreman/Manager

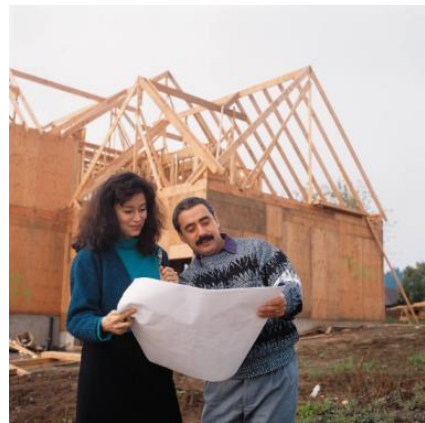
Recommended High School Courses

Advanced Algebra (TC)	Intro to Building Trades
Algebra	Intro to Technology
Applied Algebra	Machine Woodworking
Applied Geometry	Mechanical Drawing, ADV MD
Applied Physical Science	MEM, MEM II (TC)
Architectural Design	Metals
Biology II	Metals Fabrication(TC)
AP Calculus (TC)	Physics
Chemistry, AP Chem	Power & Energy
Computer Applications	Power & Energy R&D
Electrical/Mechanical Systems	Trig/Pre-Calculus(TC)
Field Science I, II, III	Psychology (YO)
Furniture & Cabinet Making	Speech
Geometry	Adv. Stats
World Language	Student Assistantships
Home & Auto Maintenance	Tech Math (TC)
Intro to Architecture	Weather & Climate

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Recommended Co-Curricular Activities

- Athletics
- Badger Boys or Girls State
- Class Officer
- FBLA
- Forensics
- National Honor Society
- SkillsUSA
- Student Council
- Yearbook





Careers in the Performing Arts, Visual Arts, or certain aspects of Journalism, Broadcasting and Film require courses and activities that challenge students' creative talents. Career in Audio-Visual Communications Technology, Telecommunications or Printing Technology require strong backgrounds in computer and electronic-based technology and a solid foundation in math and science. All pathways require the ability to communicate effectively in both oral and written form. The creative aspects of this cluster are rapidly merging with the technological, making it even more challenging.

Preparation for careers in this cluster must begin in the elementary grades and continue through high school, allowing students to gain experience in the performing and visual arts as well as in the academic foundations. Some careers may require advanced or professional degrees.

Individuals who work in careers in Arts, A/V Technology and Communications tend to be creative and imaginative, good communicators, curious about new technology, relate well to feelings and thoughts of others and are determined. They like to use their imagination to communicate new information to others; play musical instruments or perform other creative venues; read and write; use video and recording technology; and design posters and brochures.

The Six Pathways	Entry Level	Technical College	Four-Year College
Audio and Video Technology & Film	Production Asst Grip (Stagehand)	Audio Systems Tech Video Systems Tech	Audio-Visual Designer Videographer: Special Effects & Animation
Journalism and Broadcasting	Art Director	Disc Jockey Radio & TV Announcer Radio Operator	Broadcast Technician Journalist Publisher
Performing Arts	Actor/Actress Makeup Artist	Costume Designer Film/Video Editor Performer	Actor Conductor Director
Printing Technology	Paper Salesman Printing Equipment Operator	Prepress Technician Bindery Worker	Desktop Publishing Specialist Production Designer
Telecommunications	Customer Service Rep Sales Representative	Cable/Line Repairer Telecommunications Tech	Telecommunication Computer Programmer & Systems Analyst
Visual Arts	Mural Painter Food Stylist Floral Designer	Commercial Photographer Computer Animator Graphic Designer	Artist Fashion Designer Interior Designer

Recommended High School Courses

AP English	Mechanical Drawing, Adv MD
Asst Child Care Teacher(TC)	Outdoor Ed
Art	Parents & Children
Band/Choir	PE 9/10
Computer Applications	Principles of Marketing(TC)
Creative Writing	Psychology (YO)
Electrical/Mechanical Systems	Software & Graphics
Fashion & Textiles, Adv F&T	Speech
World Language	Student Assistantship
Intro to Technology	Tech Math (TC)
Law Related	Western Civ/Current History

Recommended Co-Curricular Activities

- Athletics
- Badger Boys or Girls State
- FBLA
- Forensics
- Model UN
- National Honor Society
- Pom & Dance Team
- SkillsUSA
- Student Council
- Teen Court
- Yearbook



Investigate careers and post-secondary education at WISCareers and CareerClusters.org: www.phillips.k12.wi.us under Quick Links, 'Guidance', then 'High School Guidance', then 'Links & Downloads'



This career cluster prepares learners for careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service and communication.

Students planning to enter a career in Business Management and Administration need a solid background in math, science and technical skills. Education and training can be obtained in high schools, technical colleges, two-year community colleges, four-year colleges, apprenticeship programs and career technical schools/institutes. Some careers may require advanced or professional degrees.

The Business Management and Administration cluster is appropriate for those students who are organized, practical and logical, patient, tactful and responsible. These students tend to like performing routine, organized activities; working with numbers and detailed information; being the leader of a group; making business contact with people; working with computer programs; creating reports and communicating ideas; and planning work and following instructions without close supervision.

The Five Pathways	Entry Level	Technical College	Four-Year College
Administrative Support	Dispatcher Receptionist Stenographer	Administrative Assistant Computer Operator Legal Secretary	Desktop Publisher Data Processing Manager
Business Information Management	Paralegal Court Clerk	Medical Transcriptionist Medical Front Office Asst	Desktop Publisher Data Processing Manager
General Management	Clerk	Meeting & Convention Planner Personnel Manager	Chief Executive Hospital Manager
Human Resource Management	Human Resource Clerk	Employment Interviews	Human Resource Coordinator
Operations Management	Adjustment Clerk Billing Clerk Payroll Clerk	Bookkeeper	Accountant Auditor Finance Director

Recommended High School Courses

Accounting (TC)	Principles of Marketing(TC)
Computer Applications	Psychology (YO)
World Language	Software & Graphics Exploration
Intro to Business (TC)	Speech
Law Related	Student Assistantships
Intro to Technology	Western Civ/Current History

** You should have a strong math background. See your instructors for recommendations.

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Recommended Co-Curricular Activities

- Athletics
- Badger Boys or Girls State
- Class Officer
- FBLA
- Forensics
- Letter Club
- Model UN
- SkillsUSA
- Student Council
- Teen Court
- Yearbook





The Education and Training cluster prepares learners for careers in planning, managing and providing education and training services, and related learning support services. Careers are available in a variety of settings.

Students wishing to pursue a career in Education and Training need to have a solid foundation in academic, technical and presentation/facilitation skills. The education background for a career in Education and Training can begin in high schools, technical colleges, two-year community colleges, four-year colleges, internships, career

technical schools/institutes, and human resource/training organizations. Some careers may require advanced or professional degrees.

Students who would describe themselves as friendly, good decision-makers, helpful, innovative, inquisitive and good listeners may be drawn to careers in Education and Training. These students tend to like communicating with different types of people; helping others with their homework or learning new things; going to school; and directing and planning activities for others.

The Three Pathways	Entry Level	Technical College	Four-Year College
Administration & Administrative Support	Administrative Assistant		Principal Superintendent
Professional Support Services		Library Technician	Social Worker Clinical Psychologist
Teaching and Training	Early Childhood Aide Elementary Aide	Child Care Worker Physical Trainer	College/University Faculty Child Life Specialist

Recommended High School Courses

Accounting (TC)	Intro to Technology
Advanced Algebra (TC)	Law Related
Anatomy & Physiology (TC)	Outdoor Ed
AP Chemistry	Parents & Children
Asst Child Care Teacher (TC)	PE 9/10
Aquatics	Physics
Biology II	Power & Energy
AP Calculus	Power & Energy R&D
Chemistry	Trig/Pre-Calculus (TC)
Computer Applications	Psychology (YO)
Electrical/Mechanical Systems	Speech
AP English	Adv. Statistics
Field Science I, II, III	Student Assistantship
Foods I, II, Adv.	Western Civ/Current History
Geometry	Western Civ/World Cultures
	World Language

Recommended Co-Curricular Activities

Athletics	Model UN
Badger Boys or Girls State	National Honor Society
Class Officer	SkillsUSA
Forensics	Peer Tutoring
FBLA	Student Council
High Quiz Bowl	Teen Court
Leadership Seminars	Yearbook



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This career cluster prepares learners for careers in financial and investment planning, banking and insurance and business financial management. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service and communication.

Careers in the Finance cluster require students to have a strong foundation in math, science and technical skills. Education and training can be obtained in high school, technical college, two-year community colleges, four-year colleges, apprenticeship programs and career technical schools/institutes. Some careers may require advanced

or professional degrees.

The careers found within the Finance cluster are appropriate for those students who would describe themselves as trustworthy, orderly, self-confident, logical, methodical and efficient. Individuals who work in Finance careers tend to like working with numbers; working to meet a deadline; making predictions based on existing facts; having a framework of rules by which to operate; analyzing financial information and interpreting it to others; handling money with accuracy and reliability; and taking pride in the way they dress and look.

The Five Pathways	Entry Level	Technical College	Four-Year College
Accounting	Collector	Bookkeeper Tax Examiner Tax Preparer	Accountant Auditor Treasurer
Banking Services	Bill & Account Collector Customer Service Rep Teller	Credit Authorizers Loan Interviewers	Accountant Loan Officer Financial Planner
Business Finance	Collector	Bookkeeper Tax Examiner Tax Preparer	Economist Financial Planner Auditor
Insurance	Claims Clerk Processing Clerk	Insurance Agent Insurance Appraisers	Insurance Broker Loss Control Manager
Securities & Investments	Brokerage Clerk	Tax Preparer	Non-Profit Manager Personal Financial Advisor

Recommended High School Courses	
Accounting (TC)	Law Related
Adv. Accounting	Speech
Computer Applications	Student Assistantships
Intro to Business(TC)	Western Civ/Current History
Principles of Marketing (TC)	World Language
Intro to Technology	

Recommended Co-Curricular Activities	
Athletics	Model UN
Badger Boys or Girls State	National Honor Society
Class Officer	Student Council
FBLA	Teen Court
Forensics	Yearbook
High Quiz Bowl	

**You should have a strong math background. See your instructors for recommendations.

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Virtually every occupation can be found within the government. However, there are some activities that are unique to government. The Government and Public Administration career cluster prepares learners for careers in defense against foreign aggression; representation of American interests abroad; deliberation, enactment, and enforcement of laws; and program administration.

Students who wish to pursue a career in the Government and Public Administrations cluster need to have a strong background in social studies, political science, foreign language and history. Education and training can be obtained in high schools, two-year colleges, technical colleges, two-year community colleges, four-year colleges, apprenticeship programs and career technical schools/institutes. Some careers may require advanced or professional degrees.

Individuals who work in careers in the Government and Public Administration cluster tend to be good communicators, service-minded, well-organized and problems solvers. They tend to like being involved in politics; negotiating, defending and debating ideas and topics; planning activities and working cooperatively with others; working with details; performing a variety of duties that change often; analyzing information and interpreting it to others; and traveling and seeing new things.

The Seven Pathways	Entry Level	Technical College	Four-Year College
Foreign Service			Ambassador Foreign Service Officer Public Affairs Officer
Governance	Mail Carriers Postal Clerks	Cabinet Level Secretary Legislative Aide	Lobbyist President
National Security	Military		Combat Engineer Staff or Field Officer Submarine Officer Cryptographer
Planning	Census Clerk	Interviewers Statistical Assistant	Chief of Vital Statistics County Director
Public Management & Administration	Court Clerks Postal Service Clerks	Eligibility Interviewers Postmasters	City Manager Executive Director
Regulation	Meter Reader	Occupational Health Safety Technician	Border Inspector Election Supervisor
Revenue & Taxation		Tax Examiner Assessor	Tax Auditor Tax Policy Analyst

Recommended High School Courses

Accounting (TC)	Power & Energy
Adv. Accounting	Power & Energy R&D
Anatomy & Physiology(TC)	Psychology (YO)
Aquatics	Speech
Computer Applications	Adv Stats
Electrical/Mechanical Systems	Sports Conditioning
Foods I, II, Adv	Student Assistantship
Intro to Technology	US Military History Conflicts
Law Related	Western Civ/Current History
Outdoor Ed	Western Civ/World Culture
Parents & Children	World Language

Recommended Co-Curricular Activities

- Athletics
- Badger Boys or Girls State
- Class Officer
- FBLA
- Forensics
- Student Council
- Leadership Conference
- Mock Trial
- Model UN
- Peer Tutoring
- SkillsUSA
- Student Assistantship
- Teen Court



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The Health Science career cluster orients students to careers that promote health, wellness and diagnosis as well as treat injuries and disease. Some careers involve working directly with people, while others involve research into diseases or collecting and formatting data and information. Work locations include hospitals, medical or dental offices, laboratories, sports arenas or within the community.

A strong background in math, science, communications and technical skills are essential for those students who wish to pursue a career in the Health Science cluster. Education and training can be obtained in high schools, technical colleges, two-year community colleges, four-year colleges, apprenticeship programs and career technical schools/institutes. Some careers may require advanced or professional degrees.

Students who are attracted to careers in the Health Science cluster tend to describe themselves as compassionate and caring, good at following directions, conscientious and careful, patient and good listeners. In addition, they tend to like working under pressure; helping sick people and animals; making decisions based on logic and information; participating in health and science classes; responding quickly and calmly in emergencies; working as a member of a team; following guidelines precisely; and meeting strict standards of accuracy.

The Five Pathways	Entry Level	Technical College	Four-Year College
Biotechnology Research & Development	Data Entry Clerk Medical Equipment Preparers	Lab Technician Research Assistant	Biochemist Toxicologist
Diagnostic Services		Clinical Lab Technician Phlebotomist	Cytotechnologist Radiologist
Health Information	Admitting Clerk	Medical Assistant Transcriptionist	Medical Librarian Health Educator
Support Services	Food Service Worker	Biomedical/Clinical Technician Transport Technician	Epidemiologist Hospital Maintenance Engineer
Therapeutic Services	Home Health Aide Certified Nursing Asst (CNA)	Athletic Trainer EMT/Paramedic Surgical Technician Registered Nurse	Dentist Veterinarian Optometrist

Recommended High School Courses

Asst Child Care Teacher (TC)	Law Related
Advanced Algebra(TC)	Medical Terminology (YO)
Anatomy & Physiology(TC)	Parents & Children
AP Chemistry	Physics
Aquatics	Trig/Pre-Calculus (TC)
Biology II	Psychology (YO)
AP Calculus (TC)	Speech
Chemistry	Adv Stats
Computer Applications	Student Assistantship
Field Science I, II, III	Western Civ/Current History
Foods I, II, Adv.	World Language
Geometry	

Recommended Co-Curricular Activities

- Athletics
- Badger Boys or Girls State
- Class Officer
- Forensics
- FBLA
- High Quiz Bowl
- Model UN
- National Honor Society
- Peer Tutoring
- SkillsUSA
- Student Council
- Teen Court



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The Hospitality and Tourism career cluster prepares learners for careers in the management, marketing and operations of restaurants and other food services, lodgings, attractions, recreations events and travel-related services. Hospitality operations are located in communities throughout the world.

Students who wish to pursue a career in the Hospitality and Tourism career cluster must have a solid foundation in math, science and technical skills. Education and training can be obtained in high schools, technical colleges, two-year community colleges, four-year colleges, apprenticeship programs and career technical schools/institutes. Some careers may require advanced or professional degrees.

Careers in Hospitality and Tourism generally attract individuals who describe themselves as tactful, self-motivated, able to work well with others, outgoing and slow to anger. Professionals in these careers generally like to investigate new places and activities; work with all ages and types of people; organize activities in which others enjoy themselves; have a flexible schedule; help people make up their minds; communicate easily, tactfully and courteously; and learn about other cultures.

The Four Pathways	Entry Level	Technical College	Four-Year College
Lodging	Front Desk Employee Laundry Attendant Maintenance Worker	Front Desk Supervisor Executive Housekeeper Lodging Manager	Chief Engineer Director Human Services Night Auditor
Recreation, Amusements and Attractions	Museums/Zoos/ Aquariums Personnel Ticket Vendor	Museum Technician Sports Officials (Umpires, Refs)	Facilities Manager Resort Trainer/Instructor Parks & Gardens Ranger
Restaurants and Food & Beverage Services	Baker Waiter/Waitress Short Order Cook	Maitre d' Food Service Manager Chef	Director of Tourism Executive Chief Restaurant Owner
Travel and Tourism	Travel Clerk Ticket Agent	Motor Coach Operator Travel Agent	Convention Services Mgr Director of Communications

Recommended High School Courses

Accounting (TC)	Law Related
Advanced Accounting	Power & Energy
Adv Stats	Power & Energy R&D
Anatomy & Physiology(TC)	Principles of Marketing (TC)
Aquatics	Psychology (YO)
Biology II	Software & Graphics Applications
Computer Applications	Speech
Electrical/Mechanical Systems	Student Assistantship
Foods I, II, Adv.	Western Civ/Current History
Intro to Business (TC)	Western Civ/World Cultures
Intro to Technology	World Language

Recommended Co-Curricular Activities

Athletics	Leadership Conference
Badger Boys or Girls State	Model UN
Class Officer	National Honor Society
FBLA	Peer Tutoring
Forensics	SkillsUSA
High Quiz Bowl	Student Assistantship
	Student Council

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The Human Services career cluster is extremely diverse and prepares learners for careers related to families and human needs.

Careers in the Human Services cluster require students to have a solid background in communication, science and technical skills. Education and training can be obtained in high schools, technical colleges, two-year community colleges, four-year colleges and career technical schools/institutes. Some careers may require advanced or professional degrees.

Students who are attracted to careers in Human Services generally tend to be good communicators, good listeners, caring, non-materialistic, logical, non-judgmental and intuitive. They tend to like caring about people, their needs and their problems; participating in community services and/or volunteering; listening to other people’s viewpoints; helping people to be at their best; working with people from preschool age to old age; thinking of new ways to do things; and making friends with different kinds of people.

The Five Pathways	Entry Level	Technical College	Four-Year College
Consumer Services	Teller Retail Representative	Property, Real Estate, and Community Association Mgrs	Financial Adviser Certified Financial Planner
Counseling & Mental Health Services	Mental Health Aide	Alcohol/Drug Abuse Associate Human Service Associate	Psychologist Sociologist Counselor
Early Childhood Development & Services	Childcare Worker	Teacher Assistant Nanny	Elementary School Counselor Preschool Teacher
Family and Community Services	Adult Day Care Worker Household Cleaners	Residential Author Social & Human Service Asst	Counselor Dietician Social Worker
Personal Care Services	Companion Home Care Aide Shampooer Spa Attendant	Cosmetologist Nail Technician Esthetician Barber	Exercise Physiologist Funeral Director Mortician

Recommended High School Courses

Accounting (TC)	Parents & Children
Adv Stats	Power & Energy
Anatomy & Physiology (TC)	Power & Energy R&D
Asst Child Care Teacher (TC)	Psychology (YO)
Aquatics	Speech
Computer Applications	Sports Conditioning
Electrical/Mechanical Systems	Student Assistantship
Foods I, II, Adv.	Western Civ/Current History
Intro to Technology	Western Civ/World Cultures
Law Related	World Language
Outdoor Ed	

Recommended Co-Curricular Activities

- Athletics
- Badger Boys or Girls State
- Class Officer
- FBLA
- Forensics
- High Quiz Bowl
- Leadership Conference
- Model UN
- National Honor Society
- Peer Tutoring
- SkillsUSA
- Student Council



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The Information Technology career cluster prepares learners for careers involving the design, development, support and management of hardware, software, multimedia and systems integration services. Information Technology careers are available in every sector of the economy – from financial services to medical services, business to engineering to environmental services.

Anyone preparing a career in the Information Technology cluster should have a solid grounding in math and science. Careers in IT are challenging and ever-changing. Education and training can be obtained in high schools, technical colleges, two-year community colleges, four-year colleges and career technical schools/institutes. Some careers may require advanced or professional degrees.

Individuals who work in Information Technology are generally described as being logical and analytical thinkers, able to see the details in the big picture, persistent, possess good concentration skills, precise and accurate. Furthermore, they tend to like working with computers, reasoning clearly and logically to solve complex problems; using machines, techniques and processes; reading technical materials and diagrams and solving technical problems; adapting to change; playing video games and figuring out how they work; and concentrating for long periods without being distracted.

The Four Pathways	Entry Level	Technical College	Four-Year College
Information Support and Services	Call Center Support Rep Customer Service Rep	Computer Support Specialist Web Administrator	Systems Analyst Database Analyst
Network Systems		Network Systems & Data Communications Analyst	Information Technology Engineer PC Support Specialist
Programming & Software Development		Web Developer	Computer Engineer Game Developer Software Design Engineer
Web & Digital Communication		Webmaster	Animator Multimedia Author Production Assistant Web Designer

Recommended High School Courses

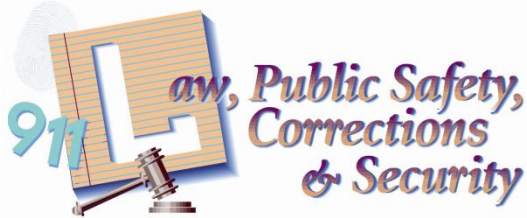
Accounting (TC)	Geometry
Adv. Accounting	Intro to Technology
Adv. Algebra (TC)	Law Related
Adv. Fashion & Textiles	Mechanical Drawing
Adv. Mechanical Drawing	Outdoor Ed
AP English	Psychology (YO)
Art	Software & Graphics Exploration
Computer Applications	Speech
Creative Writing	Student Assistantships
Electrical/Mechanical Systems	Trig/Pre-Calc (TC)
Fashion & Textiles	Western Civ/Current History
	World Language

Recommended Co-Curricular Activities

- Athletics
- Badger Boys or Girls State
- Class Officer
- FBLA
- Forensics
- High Quiz Bowl
- Letterclub
- Model UN
- National Honor Society
- SkillsUSA
- Yearbook

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The Law, Public Safety, Corrections and Security career cluster orients students to careers that involve planning, managing and providing legal, public safety, protective services and homeland security, including professional and technical support services.

A strong background in math, science and technical skills is needed to be successful in the careers within the Law, Public Safety, Corrections and Security cluster. Education and training can be obtained in high schools, technical

colleges, two-year community colleges, four-year colleges and career technical schools/institutes. Some careers may require advanced or professional degrees.

Students who are adventurous, dependable, community-minded, decisive and optimistic tend to be drawn to careers in this cluster. Most professionals in these fields also like working under pressure or in the face of danger; making decisions based on their own observations; interacting with other people; being in positions of authority; respecting rules and regulations; debating and winning arguments; and observing and analyzing people's behavior.

The Five Pathways	Entry Level	Technical College	Four-Year College
Correction Services	Maintenance Worker	Corrections Officer Corrections Office Mgr	Jail Administrator Probation/Parole Officer Counselor
Emergency & Fire Management Services	Dispatcher	EMT Firefighter	Emergency Management & Response Coordinator
Law Enforcement Services	Police, Fire, Ambulance Dispatcher	Evidence Technician Police & Patrol Officer	Park Ranger FBI Agent
Legal Services	Law Clerk	Court Reporter Legal Secretary Paralegal	Attorney Administrative Lawyer Judge
Security & Protective Services	Crossing Guard Lifeguard Ski Patrol	Game Surveillance Officer Gaming Investigator Security Guards	Computer Forensics Examiner Private Investigator

Recommended High School Courses

Accounting (TC)	Law Related
Adv. Accounting	Medical Terminology (YO)
Adv. Stats	Outdoor Ed
Anatomy & Physiology (TC)	Physics
Aquatics	Power & Energy
Biology II	Power & Energy R&D
Chemistry, AP Chem	Psychology (YO)
Computer Applications	Speech
Electrical/Mechanical Systems	Student Assistantship
Foods I, II, Adv.	Western Civ/Current History
Intro to Technology	Western Civ/World Cultures
	World Language

Recommended Co-Curricular Activities

Athletics	Mock Trial
Badger Boys or Girls State	Model UN
Class Officer	National Honor Society
FBLA	Peer Tutoring
Forensics	Student Assistantship
Leadership Conference	Student Council
	Teen Court

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The career cluster of Manufacturing is extremely diverse, preparing learners for careers in planning, managing and performing the processing of materials into intermediate or final products. Careers also include related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

Students interested in the Manufacturing cluster should possess a strong background in math, science and technical skills. Education and training can be obtained in high schools, technical colleges, two-year community colleges, four-year colleges, apprenticeship programs and career technical schools/institutes. Some careers may require advanced or professional degrees.

The careers within the Manufacturing cluster are appropriate for students who are practical, observant, physically active, step-by-step thinkers and coordinated. These careers are suitable for those individuals who like working with their hands and learning that way; putting things together; doing routine; organized and accurate work; performing activities that produce tangible results; applying math to work out solutions; using hand and power tools and operating equipment/machinery; and visualizing objects in three dimensions from flat drawing.

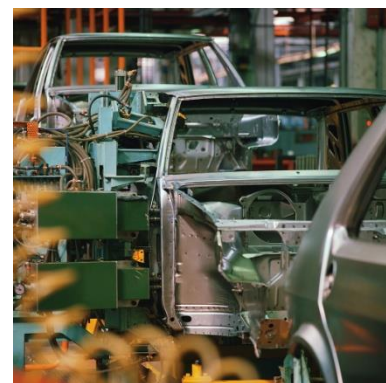
The Six Pathways	Entry Level	Technical College	Four-Year College
Health, Safety and Environmental Assurance		Safety Technician Computer Support Specialist	Environmental Engineer Safety Engineer
Logistics and Inventory Control	Freight, Stock & Material Mover		Communications, Transportation and Utilities Manager Logistical Engineer
Maintenance, Installation and Repair	Home Appliance Repairer Fabric Members	Biomedical Equipment Technician Instrument Control Technician	
Manufacturing Production Process Development		Electrical & Electronic Tech Manufacturing Technician	Design Engineer Manufacturing Engineer
Production	Assembler Hand Packer & Packager Machine Operator	Automated Manufacturing Technician Tool & Die Maker	Millwright
Quality Assurance		Calibration Technician Lab Technician Process Control Tech	Quality Engineer

Recommended High School Courses

Algebra	Software & Graphics Exploration
Adv Algebra (TC)	Home & Auto Maintenance
Applied Algebra	Intro to Architecture
Applied Geometry	Intro to Building Trades
Applied Physical Science	Machine Woodworking
Architectural Design	Intro to Technology
Biology II	Mechanical Drawing, Adv MD
AP Calculus (TC)	Metals
Chemistry	Metals Fabrication (TC)
Computer Applications	Physics
Electrical/Mechanical Systems	Power & Energy, P&E R&D
Field Science I, II, III	Psychology (YO)
Furniture & Cabinet Making	Tech Math (TC)
Geometry	Trig/Pre-Calculus (TC)
	World Language

Recommended Co-Curricular Activities

Athletics
Badger Boys or Girls State
Class Officer
FBLA
Forensics
High Quiz Bowl
National Honor Society
Model UN
SkillsUSA
Student Council
Teen Court
Yearbook



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The Marketing career cluster orients students to careers in planning, managing and performing marketing activities to reach organizational objectives.

Careers in the Marketing cluster require students to have strong backgrounds in communication, math and technical skills. Education and training can be obtained in high schools, technical schools, technical colleges, two-year community colleges, four-year colleges and career technical schools/institutes. Some careers may require advanced or professional degrees.

Students who see themselves as enthusiastic, competitive, creative, self-motivated and persuasive tend to be drawn to the Marketing Profession. Generally, interested individuals also like to shop and go to the mall; be in charge; make displays and promote ideas; give presentations and speak in public; persuade people to purchase products or to participate in activities; communicate ideas to other people; and take advantage of opportunities to make extra money.

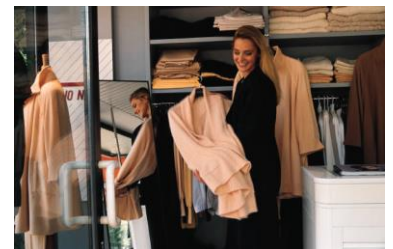
The Five Pathways	Entry Level	Technical College	Four-Year College
Marketing Communications	Administrative Support Representative Sales Representative	Account Supervisor	Promotion Manager Research Assistant
Marketing Management	Customer Service Rep Small Business Owner	Small Business Owner	Chief Executive Officer President
Market Research	Admin Support Rep Interviewer		Database Analyst Planning Analyst
Merchandising	Merchandising Asst. Merchandiser	Procurement Clerk	Buyer Merchandise Manager
Professional Sales	Field Marketing Rep Sales Person Telemarketer	Fashion Designer Wholesale/Retail Buyer	Retail Sales Manager Territory Rep/Manager

Recommended High School Courses

Accounting (TC)	Intro to Technology (TC)
Advanced Accounting	Law Related
Advanced Algebra (TC)	Principles of Marketing (TC)
Intro to Business (TC)	Psychology (YO)
Adv Stats	Speech
Computer Applications	Student Assistantships
Geometry	Western Civ/Current History
Software & Graphics Exploration	Western Civ/World Cultures
	World Language

Recommended Co-Curricular Activities

- Athletics
- Badger Boys or Girls State
- Class Officer
- FBLA
- Forensics
- High Quiz Bowl
- Model UN
- Mock Trial
- National Honor Society
- SkillsUSA
- Student Council
- Teen Court
- Yearbook



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The Science, Technology, Engineering and Mathematics career cluster prepares learners for careers involving the planning, management and providing scientific research and professional and technical services including laboratory and testing services, and research and development services.

Regardless of the pathway, students will find that these careers are exciting, challenging and ever-changing.

Students who wish to pursue a career in the Science, Technology, Engineering and Mathematics cluster should have strong knowledge and skills in math, science and technical skills. Education and training can be obtained in high schools, technical colleges, two-year community colleges, four-year colleges and career technical schools/institutes. Some careers may require advanced or professional degrees.

Individuals who work in Science, Technology, Engineering and Mathematics careers tend to be detail-oriented, inquisitive, objective, methodical and mechanically inclined. In addition, they generally like to interpret formulas; find the answers to questions; work in a laboratory; figure out how things work and investigate new things; explore new technology; experiment to find the best way to do something; pay attention to details and help things be precise.

The Two Pathways	Entry Level	Technical College	Four-Year College
Engineering and Technology	Statistical Clerk	Agricultural Technician CAD Technician Manufacturing Technician	Civil Engineer Mechanical Engineer Transportation Engineer
Science and Mathematics	Statistical Clerk	Chemical Technician Food Science Technician	Archeologist Astronomer Scientist Biologist

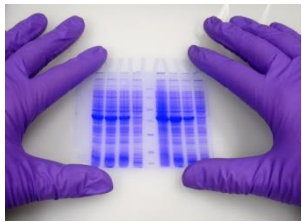
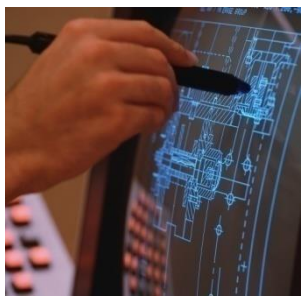
Recommended High School Courses

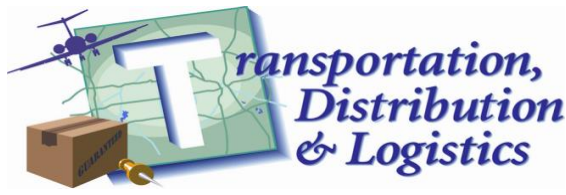
Adv. Mechanical Drawing	Geometry
Adv. Algebra (TC)	Intro to Architecture
Adv. Construction	Intro to Building Trades
Adv Stats	Intro to Technology
Algebra	Machine Woodworking
Anatomy & Physiology (TC)	Mechanical Drawing
Applied Algebra	Metals
Applied Geometry	Metals Fabrication (TC)
Applied Physical Science	Physics
Architectural Design	Power & Energy
Biology II	Power & Energy R&D
AP Calc (TC)	Tech Math (TC)
MEM, MEM II (TC)	Trig/Pre-Calculus (TC)
Chemistry/AP Chem	Psychology (YO)
Computer Applications	Speech
Electrical/Mechanical Systems	Software & Graphics Exploration
Field Science I, II, III	Student Assistantships
Furniture & Cabinet Making	Weather & Climate
Home & Auto Maintenance	World Language

Recommended Co-Curricular Activities

Athletics	Model UN
Badger Boys or Girls State	National Honor Society
Class Officer	Teen Court
FBLA	SkillsUSA
Forensics	Student Council
High Quiz Bowl	Yearbook

Investigate careers and post-secondary education at WISCareers and CareerClusters.org: www.phillips.k12.wi.us under Quick Links, 'Guidance', then 'High School Guidance', then 'Links & Downloads'





This diverse career cluster exposes learners to careers and business involved in the planning, management and movement of people, materials and products by air, water, road and rail.

The careers in the Transportation, Distribution and Logistics cluster require students to be proficient in communications, math, science and technology. Students begin preparing for these careers in middle and high school, and possibly continue at technical colleges, two-year community colleges, four-year colleges, apprenticeship programs and career technical schools/institutes. Some careers may require advanced or professional degrees.

Students who are attracted to careers in the Transportation, Distribution and Logistics cluster tend to describe themselves as realistic, mechanical, observant and planners. In general they like traveling; solving mechanical problems; designing efficient processes; anticipating needs and preparing to meet them; driving or riding; and moving things from one place to another.

The Seven Pathways	Entry Level	Technical College	Four-Year College
Facility & Mobile Equipment Maintenance	Collision Repair Tech Tire Repairers	Aerospace Engineering & Operations Technician	Facility Engineer Service Manager
Health, Safety & Environmental Management	Highway Maintenance Worker	First Responder	Environmental Engineer Industrial Hygienist
Logistics Planning & Management Services	Laborer Production Clerk		Industrial & Packaging Engineer
Sales & Service	Customer Order & Billing Clerk Customer Service Rep	Cargo & Freight Agent	Marketing Manager Sales Manager
Transportation Operations	Dispatcher Flight Attendant	Air Traffic Controller Ship Engineer	Airplane Pilot/Co-Pilot
Transportation Systems/Infrastructure Planning, Management & Regulation	Highway Maintenance Worker	Aviation Inspector Motor Vehicle Inspector	Civil Engineer Freight Inspector
Warehousing & Distribution Center Operations	Laborer Packer	First-Line Supervisor/Manager of Helpers	Storage & Distribution Manager

Recommended High School Courses

Adv. Algebra (TC)	Intro to Architecture
Adv. Mechanical Drawing	Intro to Building Trades
Applied Algebra	Intro to Technology
Applied Geometry	Law Related
Applied Physical Science	Machine Woodworking
Architectural Design	Mechanical Drawing
Biology II	Metals, Metals Fabrication
AP Calc (TC)	Physics
Chemistry/AP Chem	Power & Energy, P&E R&D
Computer Applications	Trig/Pre-Calculus (TC)
Electrical/Mechanical Systems	Psychology (YO)
Field Science I, II, III	Speech
Furniture & Cabinet Making	Student Assistantships
Geometry	Tech Math (TC)
Home & Auto Maintenance	Weather & Climate
	World Language

Recommended Co-Curricular Activities

Athletics	Model UN
Badger Boys or Girls State	National Honor Society
Class Officer	SkillsUSA
FBLA	Student Council
Forensics	Teen Court
High Quiz Bowl	Yearbook

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Unique to Wisconsin ONLY, the seventeenth career cluster was designed to cover those careers not included in the previous clusters.

People who study the liberal arts are sharpening their critical thinking and organizational skills. Liberal arts degrees are considered excellent preparation for careers in a variety of areas including business, journalism, education, law and the arts.

Majors in the Liberal Arts and Sciences provide pathways to a wide array of 21st century careers through preparation in such areas as knowledge of human cultures and the natural world; critical and creative thinking skills; effective communication skills; intercultural knowledge and competence; and individual, social and environmental responsibility

Degrees	WI Tech Colleges	WI State Univ.	WI Private Univ.
Individualized Technical Studies	x		
Liberal Arts- Associate of Science	x		
Safety Engineering Technology	x		
Technical Studies – Journey Worker	x		
Anthropology		x	
Art History		x	
Economics		x	
Liberal Studies		x	
Political Science		x	
Psychology		x	
Anthropology			x
French Language and Literature			x
Liberal Arts and Sciences			x
Multi-Interdisciplinary Studies			x
Philosophy			x
Religion//Religious Studies			x
Sociology			x
Theology			x

Recommended High School Courses

Algebra	Geometry
Adv. Algebra (TC)	Intro to Technology
Anatomy & Physiology (TC)	Law Related
AP English	Outdoor Education
AP Calculus (TC)	Physics
AP Chemistry	Psychology (YO)
Applied Algebra	Trig/Pre-Calc (TC)
Applied Geometry	Contemp Literature
Applied Physical Science	Speech
Art	Student Assistantships
Biology II	Western Civ/Current History
Chemistry	Western Civ/World Cultures
Computer Applications	World Language
Field Science I, II, III	

Recommended Co-Curricular Activities

Athletics	Model UN
Badger Boys or Girls State	National Honor Society
Class Officer	SkillsUSA
FBLA	Student Council
Forensics	Teen Court
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GRADUATION REQUIREMENTS

Beginning with the Class of 2017, 26.5* credits will be required to graduate from PHS.

Each individual is personally responsible for insuring that the courses they select meet the minimum credit requirements for their grade/class and for graduation. This includes the student's responsibility for rescheduling into any failed classes. Any student who is not sure of their status should see the counselor as soon as possible.

Required Courses/Credits

English	4 credits including: English 9 (1), English 10 (1), English 11(1), English 12 (1) <u>OR</u> AP English (1)
Social Studies	3.5 credits including: American Studies (1), US History I & II (1), Senior Leadership (0.5), and ONE credit of Social Studies elective (1)
Science	3 credits including: Science 9 (1), Biology 1 (1), and Chemistry <u>OR</u> Applied Physical Science (1)
Math	3 credits
Family & Consumer Ed	0.5 credit: Life Skills
Physical Education	1.5 credits including: PE 9/10 (0.5)
Business Education	1 credit: Computer Applications and Employment Readiness

**TOTAL NUMBER OF CREDITS NEEDED TO GRADUATE -
INCLUDING REQUIRED COURSES: 26.5* CREDITS** (Beginning with Class of 2016)
for more information on the graduation policy please refer to the Student Handbook

Recommended For:

Freshmen

1 credit of English 9
1 credit of American Studies
1 credit of Science 9
1 credit of Math
0.5 credit of Life Skills
0.5 credit of PE 9/10
0.5 credit of Computer Applications
1.5 credits of Electives
7 TOTAL CREDITS

Sophomores

1 credit of English 10
1 credit of Math
0.5 credit of Social Studies
1 credit of Biology I
1 credit of Phy. Ed.
0.5 credit of Employment Readiness
2 credits of Electives
7 TOTAL CREDITS

Juniors

1 credit of English 11
0.5 credit of US History I
0.5 credit Social Studies
1 credit of Applied Physical Science or
Chemistry
4 credits of Electives
7 TOTAL CREDITS

Seniors

1 credit of English 12 or
AP English
0.5 credit of US History II
0.5 credit of Sr. Leadership Seminar
0.5 credit Math**
4.5 credits of Electives
7 TOTAL CREDITS

*This includes .5 credit of Health taken in 8th grade

**There may some flexibility due to Math, History & other senior course selections

Note: There may be some flexibility within the above requirements due to scheduling modifications. Graduation credit requirements for students transferring from other schools may be modified.

Modified 8 period day Graduation Requirements:

Class of 2014 = 28	Class of 2015 = 27
Class of 2016 & beyond = 26.5	