

PARKVIEW HIGH SCHOOL

2021-2022

ACADEMIC & CAREER PLANNING GUIDE



Academic Resources

Department Course Offerings

Career & Post-Secondary Planning

TABLE OF CONTENTS

A MESSAGE FOR STUDENTS AND PARENTS/GUARDIANS3

COURSE SELECTION AND GRADUATION REQUIREMENT INFORMATION..... 4-5

EQUAL EDUCATIONAL OPPORTUNITIES6

COLLEGE AND UNIVERSITY REQUIREMENTS6

VOCATIONAL AND TECHNICAL SCHOOL.....6

VIRTUAL SCHOOL OPPORTUNITIES.....7

YOUTH APPRENTICESHIP PROGRAMS7

START COLLEGE NOW 8-9

BLACKHAWK TECHNICAL COLLEGE ARTICULATED CREDIT AGREEMENT.....9-10

SUGGESTED COURSES TO TAKE TO PREPARE FOR 4-YR COLLEGE PROGRAMS.....11

DEPARTMENT COURSE OFFERINGS

 AGRICULTURAL 12-17

 ART 18-22

 BUSINESS 23-29

 COMPUTER SCIENCE..... 31-33

 ENGLISH 35-41

 FOREIGN LANGUAGE..... 43-44

 MATHEMATICS..... 45-50

 MUSIC..... 51-53

 P.E/HEALTH 54-58

 SCIENCE..... 59-64

 SOCIAL STUDIES 65-70

 TECHNICAL ED.71-75

CAREER CLUSTERS 76-108

A MESSAGE FOR STUDENTS AND PARENTS/GUARDIANS

Choosing courses is one of **the most important decisions** students will make during high school. This Planning Guide will help families make the best choices possible regarding course selections. To better assist in course selections necessary for career paths, this guide describes the career clusters with the classes offered within the cluster, followed by the course descriptions. It is important that **quality** time is spent consulting with parents, teachers and your school counselor in considering your best options. Questions can be answered by the following: Parkview High School at 879-2994.

Mary Stelter	Principal	Ext. 5116	mstelter@email.parkview.k12.wi.us
Guy Stricker	Assistant Principal	Ext. 5115	gstricker@email.parkview.k12.wi.us
Lisa Kempthorne	School Counselor	Ext. 5120	lkempthorne@email.parkview.k12.wi.us

COURSE SELECTION AND GRADUATION REQUIREMENT INFORMATION

Attention: *Students and guardians/caregivers should carefully read the directions on this page before any courses are selected. Choosing courses in high school based on graduation requirements, genuine interest and career goals, is the first step to planning your future successfully and with intention.*

Directions and general information:

- I. Graduation requirements
 - A. Four (4) years of full-time attendance
 - B. All students must take a minimum of seven (7) academic courses each semester. Each student must earn credits in the following required curricular areas:

MINIMUM HIGH SCHOOL GRADUATION REQUIREMENTS

Credits Graduating Classes 2021 & 2022		Credits Graduating Classes 2023 & 2024
English	4	4
Social Studies	3	3
Math	3	3
Science	3	3
Physical Education	1.5	1.5
Health	0.5	0.5
Success 101	0.5	0.5
Personal Finance	0.5	0.5
Electives	8.5	9
CTE	N/A	1
Total	24 1/2	26

- I. Any subject that meets five days a week for one semester is worth one-half credit.
- II. The graduation requirements and the seven (7) academic course minimum per semester should be considered as the bare minimum. Students (and parents) wishing to gain the fullest educational experience, gain the most from their tax dollars, and help prepare for a successful future, should plan to exceed these requirements. A senior must complete all graduation requirements and meet the attendance requirement that includes making up all time-owed in order to participate in the graduation ceremony.
- III. *Make course selections very carefully!* ****Schedule changes at the start of the school year will not be allowed.**
Exceptions will be considered only for the following reasons:
 - a. A medical recommendation.
 - b. Special circumstances deemed appropriate by school administration.
 - c. A scheduling error is detected.
 - d. The balancing of courses is necessary, as determined by school administration.
 - e. Student does not meet course pre-requisites.
- IV. Students planning to attend college or specialized training schools should give special consideration to the entrance requirements of the institution they wish to attend. Students and guardians/caregivers must assume this responsibility by contacting the institution's office of admissions or researching their website.
- V. Guardians/Caregivers should feel free to contact the School Counselor (879-2994 x5120) at any time regarding any questions pertaining to the education of their student(s).

****Courses dropped after two school weeks (10 days) will be potentially subject to academic consequences, including a possible W/F on official transcripts.**

EQUAL OPPORTUNITES

The right of a student to participate fully in any curricular, co-curricular, pupil services, recreational or other program, or activity will not be denied because of a person's sex, race, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation or physical, mental, emotional or learning disability.

Concerns regarding alleged violations of this policy shall be referred to the Superintendent of Schools, 106 W Church Street, Orfordville, WI 53575-0250. A procedure for processing the complaint is part of this policy.

COLLEGE AND UNIVERSITY REQUIREMENT INFORMATION

General college requirements include high school graduation, courses identified as college prep courses, class rank, and ACT test scores. Individual campus admission requirements vary greatly and change frequently. It is necessary for students and guardians/caregivers to visit institution websites or contact the office of admissions directly.

Basic requirements for all UW-System institutions include, but are not limited to, the following: **English-4 years, Science-3 years, Social Science-3 years, Mathematics-3 years, (including Algebra II)**. Some institutions require 2 years of foreign language credit. Students may also take the SAT in the spring of their junior year, by registering independently. The PSAT is available each October for Freshman through Juniors and allows students the opportunity to be eligible for the National Merit Scholarship if taken their Junior year. All juniors will take the ACT in the Spring of their Junior year at Parkview per state mandate.

VOCATIONAL AND TECHNICAL SCHOOL INFORMATION

The great variety of one and two-year programs available to students in vocational and technical schools makes it impractical to try to generalize about entrance requirements or to recommend programs of preparation. Vocational courses do require a mastery of basic reading, writing, and computational skills. Employers consider strong communication skills just as essential as technical preparation. Technical schools are currently very popular

because they train students to have a marketable skill, provide apprenticeships, and on-the-job training. It is important for students and guardians/caregivers to research each institution via website or contacting the Office of Admissions directly.

VIRTUAL SCHOOL OPPORTUNITIES

Parkview offers virtual school (online) opportunities, which provides an alternative to the traditional classroom setting. Online courses must be discussed with your School Counselor during the scheduling process. Deadlines for online registration follow the same protocol as traditional courses.

YOUTH APPRENTICESHIP PROGRAMS

Students registering for their junior year may apply for a junior-senior (two-year) Youth Apprenticeship program offered through the Rock County Area School-to-Work Consortium. Youth Apprenticeship programs are designed to give students more intensive study and a range of work-based learning experiences in a broad career field. Students take four semesters of classes, which are typically offered outside of the school day, and then apply their learning at a job site. At the end of their senior year, students who, 1) graduate from high school, 2) complete all four semesters of youth apprenticeship coursework, 3) perform all work-based competencies to a level of proficiency, and 4) work a minimum of 900 hours at a work-based learning site, will earn a Wisconsin Youth Apprenticeship Occupational Proficiency Skills Certificate issued by the State of Wisconsin Governor's Work-Based Learning Board.

Students and guardians/caregivers who would like more information on the Youth Apprenticeship program, should contact Amber Achterberg, (608-879-2994) ext. 5101.

Criteria for selection:

1. Complete an application with references and transcripts.
2. Have a 96% minimum attendance record.
3. Have a minimum grade point average of 2.0 on a 4.0 scale.
4. Accept part-time employment.
5. Comply with possible employment requests: finger printing, drug testing with results provided to guardians/caregivers, and/or purchase of appropriate career apparel/uniform.
6. Complete an interview with program coordinator and/or employer(s), and be accepted for employment.

The number of students selected will be open to the number of work-based learning positions available. An accepted application does not guarantee placement. A non-refundable fee will be assessed to all students. Students will also be responsible for the purchase of books and other materials.

1. Agriculture, Food & Natural Resources
2. Architecture & Construction
3. Art, A/V Technology & Communications
4. Finance
5. Health Service
6. Hospitality & Tourism
7. Information Technology
8. Manufacturing
9. Science, Technology, Engineering & Mathematics (STEM)
10. Transportation, Distribution & Logistics

START COLLEGE NOW AND EARLY COLLEGE CREDIT PROGRAM INFORMATION

The dual credit Start College Now program was established to allow 11th and 12th grade pupils to enroll at an institution of higher education in Wisconsin and take courses that lead to credit granted toward high school graduation.

Parkview School District is required to pay for a course taken by a high school student at a postsecondary institute if a comparable course is **not** offered in the school district.

Eligibility Requirements:

1. Students must earn C's and above the semester prior to application AND enrollment.
2. Students who have a record of discipline referrals and/or truancy, as determined by School Administration, will not be allowed to participate in Start College Now.

Participation in the Start College Now program requires these steps:

1. Plans should be discussed with a school counselor.
2. Start College Now Forms are obtained from the school counselor's office.
3. The Start College Now forms must be submitted to the school counselor by the deadlines set forth each semester.

Start College Now requests will be taken to the Board of Education for approval. Students will be notified if the Start College Now courses will be awarded high school credit and the amount of credit you will receive. The post-secondary institution and your school counselor can be helpful in making appropriate course selection decisions.

If you have any questions regarding this program, please contact Lisa Kempthorne at 608- 879-2994 x 5120. The START COLLEGE NOW (SCN)* program is open to any 11th or 12th grade student who meets the established requirements. The District will pay for up to 18 post-secondary credits total, between the SCN and Early College Credit Program (ECCP)**. The Principal or designee shall be responsible for administering the SCN Program. In doing so, they shall determine whether a course taken through the SCN program is comparable to

a course offered in the District, whether it satisfies graduation requirements and what, if any, high school credits will be awarded to the student.

*Legal Ref.: Wisconsin State Statute 118.153, 118.33, 118.55(9), 227.11(2)(a)
Wisconsin Administrative Code PI 40
343.42 - Parkview Board Policy
343.42-Rule

Cross Ref.: 342.4 – At Risk Program
345.6 – Graduation
411 – Equal Educational Opportunities

APPROVED: April 26, 2004
January 24, 2011
June 15, 2015
April 23, 2018

** The Early College Credit Program (ECCP) is open to any student in grades 9-12 who meets the established requirements. The District will pay for up to 18 post-secondary credits, during the course of a student's participation in ECCP and/or Start College Now (SCN). The Principal or designee shall be responsible for administering the ECCP Program. In doing so, they shall determine whether a course taken through ECCP program is comparable to a course offered in the District, whether it satisfies graduation requirements and what, if any, high school credits will be awarded to the student.

Legal Ref.: 38.12(14) – Wisconsin Statutes 115.385(4) – Wisconsin Statutes 118.15(1)(b) – Wisconsin Statutes 118.33 – Wisconsin Statutes 118.55 – Wisconsin Statutes 118.55(3)(b) – Wisconsin Statutes 118.55(5) – Wisconsin Statutes 118.55(6)(b) – Wisconsin Statutes 118.55(6)(c)1 – Wisconsin Statutes 118.55(7t)(a) – Wisconsin Statutes 118.55(7t)(c) – Wisconsin Statutes 118.55(8) – Wisconsin Statutes 118.57 – Wisconsin Statutes PI 40.07

Wisconsin Administrative Code Cross Ref.: 342.4
At Risk Program 345.6
Graduation 411
Equal Educational Opportunities

APPROVED: APRIL 23, 2018

BLACKHAWK TECHNICAL COLLEGE COURSE INFORMATION

Articulation Agreements for High Schools:

*Students taking courses marked with the Blackhawk Technical College graphic can earn **free BTC credits** at Blackhawk Technical College. See your business teacher for more details.*

Purpose and Benefits:



- To help transition high school students to post-secondary education
- To provide high school students the opportunity to earn technical college credit while in high school.
- To assist high school students in moving forward in their chosen career pathway.

Definitions and Requirements:

Two types of articulation exist: Advanced Standing and Transcribed Credit

- For Advanced Standing articulation, the high school course and Blackhawk Technical College (BTC) course must be comparable
- Curriculum, objectives and competencies should be equivalent
- Student must achieve a minimum grade of “B” to receive Advanced Standing on their transcript
- Advanced Standing agreements are reviewed every three years or sooner if there has been a curriculum change or an instructor change
- For Transcribed Credit, the course articulated is a BTC course that is taught at the high school.
- Curriculum, objectives, and competencies established by BTC must be the same
- The assessment criteria and grading formula established by BTC must be followed
- Student must achieve a minimum grade of “C” to receive Transcribed Credit on their transcript
- The textbook to be used is the same or is an agreed upon equivalent textbook
- The course is taught by a high school teacher who meets articulation certification for the Wisconsin Technical College System (WTCS)

For more information, please contact:

Contact the School Counselor

At 608-879-2994 ext. 5120 aachterberg@email.parkview.k12.wi.us

Suggested High School Courses Necessary for 4-Year College Programs

Program	Math	Science	Social Studies	Foreign Language	Additional Courses	Other Recommended skills/Experience
Agriculture Natural Resources					Agricultural courses	Work Experiences, FFA
Architecture	4 yrs.				Basic Design/Draw Art, Art History, Visual Arts, Graphics, Photo, Tech Ed	Student Vocational Organizations
Biological Sciences	4 yrs.			Additional Foreign Languages		
Business & Management	4 yrs.			Additional Foreign Languages	Computer Coursework & Keyboard	Student Vocational Organizations
Communications and Journalism				Additional Foreign Languages		High School Paper, Yearbook, Local Newspaper
Computer Science	4 yrs.		Economics	Additional Foreign Languages	Computer Coursework, Keyboard, Mech. Drawing	
Education			Psychology & Sociology			Teacher Asst./Volunteer Tutor, Student Organization
Engineering	4 yrs.	1 additional yr. of Advanced Chemistry or Physics			Keyboard, Tech. Ed. classes including Manufacturing & Comm. Systems	Computer Experience
Fine/Applied Arts				Additional Foreign Languages	Art History Music History	Experience in Creative and Performing Arts Inter-cultural experiences
Foreign Language				Additional Foreign Languages		
Forestry	4 yrs.				Graphic Arts including Mech. Drawing	Work/Club experiences
Health Science & Services	4 yrs.	1 additional yr. of Advanced Biology or Chemistry	Psychology	Additional Foreign Languages		Work/Volunteer experience in Public Agency, Student Voc. Organization
Family & Consumer Education			Psychology & Sociology		Family & Consumer Education courses	Student Voc. Organization
Humanities				Additional Foreign Languages		Intercultural experiences
Physical Sciences	4 yrs.			Additional Foreign Languages		
Public Affairs/Services			Economics, Sociology or Psychology	Additional Foreign Languages		Work/Volunteer experiences
Social Sciences	4 yrs.			Additional Foreign Languages		



AGRICULTURAL

Department Course Offerings

R= Required course at indicated grade level

E= Elective Course at indicate grade level

Wisconsin Outdoors (E)
Power Machines (E)
Small Animal Vet (E)
Food Production (E)
Freshman Year

R= Required course at indicated grade level

E= Elective Course at indicate grade level

Power Machines & Technology (E)		
Wisconsin Outdoors (E)		
Small Animal Vet (E)		
Food Production (E)		
Large Animal Veterinary Science (E)		
Welding and Metals (E)		
Sophomore Year	Junior Year	Senior Year

AGRICULTURAL DEPARTMENT

AGRI SCIENCE SURVEY

9 10 11 12

.5 Credit

OFFERED: Alternate Years Semester- Offered 2 0 2 2 - 2 0 2 3

This survey class is designed to introduce the high school student to the world of agriculture. Upon successful completion of this course, students will have an understanding of FFA, its role in agriculture education, and an understanding of parliamentary procedure. The student will identify various weeds and insects and know how to control them. The student will interpret soil test results and calculate fertilizer application rates. The student will have an understanding of biotechnology, wildlife management, and an understanding of raising livestock, including breeding, raising, and selling farm animals. Students will also study some of Wisconsin's lesser-known commodities such as cranberries, honey, and strawberries. Use of the school land laboratory will be incorporated into this class.

WISCONSIN OUTDOORS

9 10 11 12

.5 Credit

OFFERED: SEMESTER

In this class, the student will understand how we interact with the components of the environment: plants, animals, water, soil, air, minerals, and energy. Upon successful completion of this course, students will estimate wildlife populations, know how to improve the habitat, and how to identify and preserve the fish, fowl, and animal species. Students will run successful water quality tests, understand soil conservation practices, and understand different soil orders. Students will learn to identify different tree, fish, and duck species using a dichotomous key and will manufacture a fishing lure and a duck decoy.

AGRIBUSINESS AND LEADERSHIP (TC)

10 11 12

.5 Credit

OFFERED: Alternate Years Semester- Offered 2 0 2 2 - 2 0 2 3

This class is the culmination of your experience in agriculture education. Upon successful completion of this class, students will have an understanding of the complex world of agribusiness management practices. Students will understand agricultural law and how to make it work for them, such as land set-aside programs, forestation and conservation practice payment programs and the tax breaks available for such practices. Students will design a business plan using the concepts taught throughout the semester.



AGRICULTURAL DEPARTMENT CONT.

FOOD PRODUCTION AND PROCESSING

9 10 11 12

.5 Credit

OFFERED: SEMESTER

On successful completion of this class, students will duplicate many of the methods used to process products of our agriculture industry. Students will understand laboratory technique involving cream separation, pasteurization, homogenization, butter- churning, ice cream production, yogurt culturing, cheese making and protein reclamation. Students will evaluate, inspect, grade, cut, grind, package, and cure meat in the meat-processing unit, and make sausage and jerky. Students will understand the vegetable canning and freezing industry and the processing of grains and forages. Cutting, grinding, pickling, fermentation, roasting, extruding, pelleting, cubing, and wafer making are other processes of the human and animal feed industry that each student will learn. The student will gain hands-on experience in many classroom laboratory settings.

LARGE ANIMAL VETERINARY SCIENCE (TC)

10 11 12

OFFERED: YEAR



1 Credit

Large Animal Science is an applied course in veterinary and animal science for students interested in learning more about becoming a veterinarian, vet tech, vet assistant, or pursuing a variety of scientific, health, or agriculture professions. This course covers anatomy and physiological systems of different groups of large animals, as well as careers, leadership, and history of the industry. Upon completion of this course, proficient students will be prepared for success in further postsecondary training. Subjects in this course are aligned with Wisconsin Agriculture, Food, and Natural Resources Standards and the Wisconsin Academic Standards for Science.

AGRICULTURAL MANUFACTURING

10 11 12

.5 Credit

OFFERED: Alternate Years Semester- Offered 2022-2023

Agriculture Manufacturing will explore the process of Lean Manufacturing, Six Sigma, building materials, and industrial agriculture. Units covered are history and elements of manufacturing mass production systems, advertising, machine operation for industry, greenhouse structure, and agriculture equipment manufacturing. Students will participate in assembly projects to explore different types of assembly lines, pole barns, and greenhouses set ups. This course is strongly recommended for any student that will be entering the field of agriculture mechanics or agriculture engineering. This includes students entering a university or vocational school.

AGRICULTURAL DEPARTMENT CONT.

WELDING AND METALS

10 11 12

.5 Credit

OFFERED: SEMESTER

FEE: \$15 LAB

NOTE: STUDENTS MUST PAY FOR ALL METALS USED FOR THE CONSTRUCTION OF THEIR PROJECT

The ability to join metals permanently with the application of heat is a skill that a student will use for a lifetime. With businesses that employ metal fabricators in large numbers, so close to the district such as Kuhn Knight and Monroe Trucking Maintenance, it is also a skill that can lead to full time employment with a comfortable wage attached. In the welding class, students will learn to safely use equipment such as welders, wire feed welders, plasma torch brake, drill press, and hand grinders. Students will learn how to run a correct bead while performing butt welds, t-welds, lap welds, edge welds, and inside and outside corner welds. Students will culminate their experience in the class by creating a welding art project, constructing a project of choice by the instructor and by building or repairing a project chosen by the student with the instructor's consent.

SMALL ANIMAL VETERINARY SCIENCE

9 10 11 12

.5 Credit

OFFERED: Alternate Years Semester- Offered 2021-2022

With the transition of our population from rural to suburban and urban settings comes the need for an understanding of companion animals and other small animals, we keep as pets. Upon the successful completion of this class, students will understand the nutritional care, production, and management practices of many different breeds of cats and dogs as well as breed identification. Students will be able to identify, produce, raise, and care for canines, felines, chickens, birds and rabbits. Students will understand how pet stores operate and they will simulate operations in the classroom. The student will practice simple health care and pet grooming techniques. The student will also debate issues surrounding animal rights and welfare and explore the world of the veterinarian. Students will research and prepare pamphlets on animal diseases and will be able to understand the science behind barrier-reared animals.

AGRICULTURAL POWER MACHINES AND TECHNOLOGY

9 10 11 12

.5 Credit

OFFERED: Alternate Years Semester- Offered 2021-2022

FEE \$5.00

Some of the most practical knowledge that a person of today can possess is an understanding of how engines and various mechanical systems operate. This class will enable a student to understand how small engines, automobiles, tractors and machinery, and industrial equipment operate and how to perform simple maintenance procedures. This same student will be able to diagnose engine failures

by knowing how to use an engine analyzer. Students will explore new technology within the production agricultural industry.



ART

Department Course Offerings

R= Required course at indicated grade level

E= Elective Course at indicate grade level

Art Fundamentals (E)a
Drawing 1 (E)
Digital Photography 1 (E)
Digital Photography 2 (E)
Video Production (E)
Freshman Year

R= Required course at indicated grade level

E= Elective Course at indicate grade level

Art Fundamentals (E)		
Drawing 1 and 2 (E)		
Digital Photography 1 (E)		
Digital Photography 2 (E)		
Video Production (E)		
	Art Studio / Independent Study (E)	
Sophomore Year	Junior Year	Senior Year

ART DEPARTMENT

ART FUNDAMENTALS

9 10 11 12

.5 Credit

OFFERED: SEMESTER FEE: \$5

This course is a prerequisite for Drawing, Painting and Ceramics

This course offers students hands-on experience with making art, familiarity with art vocabulary and concepts, and a fuller understanding of careers available to artists. Studio projects will explore two and three-dimensional design, color theory, painting, and observational drawing using a variety of media.

VIDEO PRODUCTION

9 10 11 12

1 Credit

OFFERED: SEMESTER

Prerequisite: Photography I or Yearbook

Video Production is a semester-long course open to students who successfully complete Photography I, Yearbook, or have pre approval prior to enrollment. Students will develop essential creative and technical skills through the production of the Viking News show. Basic concepts of video editing, media analysis, filmmaking and Adobe Premiere Pro will be learned in a flipped classroom/workshop environment. Students will work individually and in groups to write, shoot, and edit the newly created Viking News Program. Sample student projects during the semester include Viking News, PSA's, news stories, poster design, video editing and advertising. Students will work with the following software on Desktop Computers: Adobe Premiere Pro.

DRAWING I

9 10 11 12

.5 Credit

OFFERED: Alternate years Semester – Offered 2021-22

FEE: \$5 (INCLUDES SKETCHBOOK, ERASER, AND DRAWING PENCILS)

PREREQUISITE – ART FUNDAMENTALS MUST PASS DRAWING I TO ADVANCE TO DRAWING II

Drawing classes will work with a variety of drawing media and techniques, both traditional and experimental. This class is geared towards more realistic representation, as students explore the development of visual perception, value scales and linear perspective. Students will study master draftsmen and their techniques.

DRAWING 2

10 11 12

.5 Credit

OFFERED: Alternate years Semester – Offered 2021-22

FEE: \$5 (INCLUDES SKETCHBOOK, ERASER, AND DRAWING PENCILS)

PREREQUISITE – ART FUNDAMENTALS MUST PASS DRAWING I TO ADVANCE TO DRAWING II

Drawing II will be held during the Drawing I class. Students will expand on skills learned in Drawing I, but projects will be conducted on an independent basis.

PAINTING I

10 11 12

.5 Credit

OFFERED: Alternate years Semester – Offered 2021-22

FEE: \$10

PREREQUISITE: ART FUNDAMENTALS AND PASS PAINT I TO ADVANCE TO PAINT II

Students in painting will study color theory and design in greater depth as it relates to the process of painting techniques and styles. Exposure to a variety of painting styles and techniques will enable the student to develop a personal style of their own.

PAINTING 2

10 11 12

.5 Credit

OFFERED: Alternate years Semester – Offered 2021-22

FEE: \$10

PREREQUISITE: ART FUNDAMENTALS AND PASS PAINT I TO ADVANCE TO PAINT II

Painting II will be held during the Painting I class. Students will expand on skills learned in Painting I, but projects will be conducted on an independent basis.

CERAMICS I

9 10 11 12

.5 Credit

OFFERED: Alternate years Semester – Offered 2022-23

FEE: \$10

PREREQUISITE: ART FUNDAMENTALS OR EXPLORING ART MEDIA AND PASS CERAMICS I TO ADVANCE TO CERAMICS II

In ceramics, both hand-built and wheel thrown pottery are explored. The student will receive a fundamental knowledge of texture, decoration, and glazing techniques with clay. Emphasis will be placed on 3D design and craftsmanship.

CERAMICS 2

10 11 12

.5 Credit

OFFERED: Alternate years Semester – Offered 2022-23

FEE: \$10

PREREQUISITE: ART FUNDAMENTALS OR EXPLORING ART MEDIA AND PASS CERAMICS I TO ADVANCE TO CERAMICS II

Ceramics II will be held during the Ceramics I class. Students will expand on skills learned in Ceramics I, but projects will be conducted on an independent basis.

DIGITAL PHOTOGRAPHY I

9 10 11 12

.5 Credit

OFFERED: SEMESTER FEE: \$5

In this course, students will explore DSLR photography. **Students are to bring their own camera to class.** Students will learn camera functions, composition and photography techniques. Digital media time will focus on the fundamentals of Photoshop to create graphic design projects and manipulate photographs. **Participants will be expected to take photographs after school and on weekends.**

DIGITAL PHOTOGRAPHY 2

9 10 11 12

.5 Credit

OFFERED: SEMESTER

PREREQUISITE: MUST PASS PHOTOGRAHY I

FEE: \$5

Photography II will be held during the Photography I class. Students will expand on skills learned in Photography I, but projects will be conducted on an independent basis. **Students are required to bring a camera for this class. Participants will be expected to take photographs after school and on weekends.**

EXPLORING ART MEDIA

9 10 11 12

.5 Credit

OFFERED: Alternate years Semester – Offered 2022-23

FEE: \$10

This course is a prerequisite for Ceramics. This class gives the student the opportunity to work with 2-D and 3-D art media not found in the other art classes. Students will paint use paper mache', mix media, and explore sculpture techniques. Students will be taught the basics, but creative problem solving will be encouraged.

ART STUDIO / INDEPENDENT STUDY

11 12

.5 Credit

OFFERED: SEMESTER

FEE \$5

See the art teacher for approval and the school counselor for paperwork

PREREQUISITE: ART FUNDAMENTALS

This is for the senior student who has completed all other art classes and has developed a specific area of study. The areas of study to choose from are drawing, painting, fibers, metals, photography II, computer printmaking, sculpture and ceramics. This is to further enhance the study of a particular area of art and prepare the student for technical or college art. This class must be signed up for in your junior year to be able to order specific supplies for your area of study. **The student must have a conference with the art teacher in your Junior year to decide area of study and obtain teacher signature for your schedule.**



BUSINESS

Department Course Offerings

R= Required course at indicated grade level

E= Elective Course at indicate grade level

Introduction to Business (E)

Accounting 1 (E)

Freshman Year

R= Required course at indicated grade level

E= Elective Course at indicate grade level

Accounting I (E)

Accounting II (E)

Introduction to Business (E)

**Personal Finance
(R)**

**Sophomore
Year**

**Junior
Year**

**Senior
Year**

BUSINESS DEPARTMENT

INFORMATION PROCESSING I

9 10 11 12

.5 Credit

OFFERED: Alternate Years Semester– Offered 2022-2023

Information Processing I emphasizes personal use skills on the computer using Microsoft Word. Students will learn the keyboard by touch (not watching fingers) and work to build speed and accuracy. Students will then apply these basic skills to create other personal and job-related documents. Students will also learn the 10-key pad for quick number entry and calculations. Students will practice editing, proofreading, composition, and decision-making skills. Google Power Searching curriculum will be introduced and students can choose to earn the certification.

Weekly Tech Spotlights are a student favorite.

INTRODUCTION TO BUSINESS

9 10 11 12

.5 Credit

OFFERED: Alternate Years Semester – Offered 2021-2022

Are you planning a career in business or planning to run a small business? Do you know what a business needs to do to make and sell a product or service? In this course, students will learn about the activities of a typical business. Students will learn how organizations are structured and financed. They will explore how businesses manufacture and sell a product, hire employees, and meet their legal responsibilities. This course provides a great overview of business operations that will be helpful to any student considering a business career. Guest speaker will help provide insights into these issues.

ENTREPRENEURSHIP & MARKETING

9 10 11 12

.5 Credit

OFFERED: Alternate Years Semester – Offered 2022-2023

Do you have a great idea for creating a business? Do you plan to take over the family business some- day? Do you know what to do next? This course will teach students how to turn a business idea into reality, or how to assess the operation of a current small business. Upon completion of this course, students will have a working business plan for an entrepreneurial idea of their choice. Special emphasis is placed on how to finance a small business. Other topics include understanding competition, pricing, advertising, creating an organizational structure, and hiring services that help the entrepreneur meet legal responsibilities. Students will assess their entrepreneurial personalities and study successful entrepreneurs. Guest speakers will help provide insights into starting and managing a successful small business.

BUSINESS DEPARTMENT CONT.

ACCOUNTING I

9 10 11 12

OFFERED: FULL YEAR

1 Credit

Many jobs require accounting knowledge. Students will learn how different businesses record and keep financial information. Activities include recording transactions in journals, posting to ledgers, and completing reports and statements. In addition, students will use computer software to complete the work as it is usually done in the business today. At the end of second semester, students will complete work for their own business in an accounting simulation.



ACCOUNTING II

11 12

.5 Credit

3 BTC credits

OFFERED: Alternate Years Semester –Offered 2021-2022

PREREQUISITE: MUST PASS ACCOUNTING I

This course covers more advanced accounting skills to prepare students for future employment. Students will learn accounting procedures and techniques used in solving business problems and making financial decisions. A simulation will be completed in which actual business checkbooks, journals, and general ledgers are used to complete the work for a business.

BUSINESS DEPARTMENT CONT.



MICRO ECONOMICS

11 12

.5 Credit

OFFERED: Alternate Years Semester 1 – Offered 2022-2023

Since most people seek money and power, it is important that students understand the increasing role that economics plays in improving the quality of our lives. As adults, life is filled with complicated economic decisions. By applying the basic principles of this course, students will make better decisions and feel more confident when using and planning the use of personal resources and investing in a secure retirement. Students will also discover the impact of economics in our lives, and the power and rewards of our free enterprise system.

LEGAL LIFE AFTER 17

10 11 12

.5 Credit

OFFERED: Alternate Years Semester –Offered 2022-2023

What happens after high school? What does it mean to legally become “an adult”? This course studies the legal responsibilities of adulthood. Topics include contracts, marriage/family law, employment law, wills, consumer law, and housing law. Students will learn about adult responsibilities and how to prepare for their legal life after high school.

SUCCESS 101

11

.5 Credit

OFFERED: SEMESTER

This course is a required course for all Juniors. It is also a requirement for graduation. Students will be guided through a variety of reading and writing strategies and study skills that will help them prepare for the ACT exam that they will take later in the year. Students will also use tools and information from XELLO to explore career and postsecondary pathways. Students will be using college-bound activities, methodologies and tasks during the semester to support them as they begin to apply to 2-year, 4-year, or Technical Colleges/Universities. Students will also research and discuss the importance of trades as a postsecondary option and career path as they narrow down their postsecondary plans. Guest speakers will be helping to provide insight to important career topics and careers.

BUSINESS DEPARTMENT CONT.

Personal Finance (formerly titled Success 102)

12

.5 Credit

OFFERED: Fall Semester only- Required for all seniors for graduation

This course will pick up where Success 101 left off, guiding you down the road to a successful future. You will learn how to analyze consumer decisions so that your money can go farther and you can have a secure and comfortable life through retirement. You will look at the real-world application of financial decisions that you will have to address as an adult. Budgeting, taxes, financing homes and automobiles, credit cards, student loans, investing and many types of insurance will all be explored. In addition to the development of financial literacy skills you will further develop your job search skills. You will create a career portfolio that will show case special projects and skills along with a standard resume. Interviewing, etiquette, and networking skills will also grow throughout the course. Weekly class time will be dedicated to online scholarship search and application. The school counselor will provide classroom postsecondary information, directives, and opportunities.

WORK STUDY

12

UP TO 1 Credit

OFFERED: SEMESTER OR FULL YEAR

Work study provides senior students the opportunity for a work experience outside of Parkview. Students will develop concepts and attitudes that are basic to life-long learning. Emphasis will be on attendance, developing good work habits, and problem solving with co-workers. Students may enroll in this program for one class period for a full year or up to two class periods for one semester. For Work-Study, **students *must* have their own job. A Work Permit is required for students under the age of 16.**

COMPUTER LITERACY

9 10 11 12

.5 Credit

OFFERED: Alternate Years Semester- Offered 2022-2023

We will work extensively with personal productivity software. Your new skills and abilities will give you an edge in your future educational and career environments. Life is just easier with computer skills! Our focus will include Microsoft Word, Excel, Access, and PowerPoint. Microsoft Word is a word processing

program that allows you to create and modify quality documents. Microsoft Excel is used to create spreadsheets. Spreadsheets allow us to organize and manipulate numbers easily. Through the use of formulas and charts we can see information come to life. Microsoft Access is a database program that allows you to organize, retrieve, and report information quickly and easily. Microsoft PowerPoint is software used for creating high quality presentations to use throughout many aspects of your future. We will look at how to use these tools and when they will be most useful.

COMPUTER LITERACY-PIE

11 12

.5 Credit

OFFERED: Alternate Years Semester-Offered 2023-2024

PREREQUISITE: Computer Literacy

In this course, you will continue our work with personal productivity software. We will take the skills learned in Computer Literacy and take them to the college level. **Completing this semester will allow you to earn the 3 credits through UW-Whitewater. All assignments will need to be completed at a college level and the grading scale for UW-Whitewater will be followed.**

This course requires a fee for credit from UW-Whitewater. The grade earned in this class will be a permanent part of the student's UW-Whitewater transcript. (Students who fail this course will have a college transcript at UW-Whitewater showing an "F" grade).

At this time, the course requires a \$300 fee plus possible cost of textbooks for this 3-credit course from UW-Whitewater. If taking for college credit, the student must enroll at UW-Whitewater prior to taking the course (Student Services will assist families with the enrollment process). The student that successfully completes this course will earn 3 college credits pending approval by UW-Whitewater through PIE (Partners in Education). Students can still take this course and not take for college credit. No course fee is assessed if not taking for college credit.

Juniors & Seniors who meet at least one of the following requirements can enroll in PIE:

- **Class rank in the top 25 percent.**
- **A GPA or at least 3.25 on a 4.0 scale.**
- **An ACT score of 24 and class ranking in the top 50 percent**



COMPUTER SCIENCE

Department Course Offerings

R= Required course at indicated grade level

E= Elective Course at indicate grade level

**Programming 1:
Visual Basics (E)**

Freshman Year

R= Required course at indicated grade level

E= Elective Course at indicate grade level

Programming 1: Visual Basic (E)		
Programming 2: Pascal (E)		
	AP Computer Science A (E)	
	Programming 3: C++ /JAVA (E)	
Sophomore Year	Junior Year	Senior Year

COMPUTER SCIENCE DEPARTMENT

PROGRAMMING I: VISUAL BASIC

9 10 11 12

1 Credit

OFFERED: FULL YEAR

This course is strongly recommended for students planning on college or technical school with computer, mathematics, business, science, electronics, robotics or engineering emphasis.

In this class students will use the popular Microsoft Visual Basic™ language to create their own professional-looking Windows programs. They will learn to write programs involving variables, loops, decisions, calculations, message boxes, buttons, multiple forms, menus, graphics, string manipulation and many other concepts fundamental to all programming.

PROGRAMMING II: PASCAL

10 11 12

1 Credit

OFFERED: FULL YEAR

PREREQUISITE: MUST PASS PROGRAMMING I

PASCAL is a programming language specifically designed to teach quality programming skills. As a high-level computer language, it is designed to give students a concrete foundation of computer programming that will allow them to learn most other languages easily. It is recommended as a language to follow Visual Basic to deepen and further develop student programming skills.

AP Computer Science A

11 12

1 Credit

OFFERED: YEAR

PREREQUISITES: Knowledge of C++ Language

Note: Summer work may be required

Content: This yearlong course is comparable to the first course in the introductory sequence for computer science majors in college. An AP Computer Science A course is intended to serve both as an introductory course for computer science majors and as a course for people who will major in other disciplines that require significant involvement with technology. JAVA is a platform independent language and the programs students write will compile successfully on Macintosh or Windows operating systems. Upon completion of the course, students will have the opportunity to take an Advanced Placement Computer Science Exam.

COMPUTER SCIENCE DEPARTMENT CONT.

PROGRAMMING III: C++/JAVA

11 12

1 Credit

OFFERED: FULL YEAR

PREREQUISITES: PROGRAMMING II

This course is strongly recommended for students planning on a career in programming or college or technical school with math, science, electronics, robotics, computer or engineering emphasis.

Content of this course includes learning and applying the commands of C++/JAVA syntax.



ENGLISH

Department Course Offerings

R= Required course at indicated grade level

E= Elective Course at indicate grade level

English 9 (R)
Honors English 9
Reading Skills (R-Based on test scores)
Creative Writing (E)
Yearbook (E)
Freshman Year

R= Required course at indicated grade level

E= Elective Course at indicate grade level

English 10 (R)	English 11 (R)	English 12 (R)
Honors English 10		AP Literature & Composition
Reading Skills (R-Based on test scores)		English 101-CAPP
	AP Language & Composition	
Creative Writing (E)		
Yearbook (E)		
Sophomore Year	Junior Year	Senior Year

ENGLISH DEPARTMENT

ENGLISH 9 OR HONORS ENGLISH 9

9

1 Credit

OFFERED: FULL YEAR

This course is a requirement for ALL freshmen. This class builds the foundation for all high school English classes, students will study various genres of literature, informational texts, grammar, speech, and composition throughout the year. Frequent writing will be required in this course and will correspond with units in literature. This course will also focus on standards for speaking and listening at this grade level.

READING SKILLS

9 10 11

.5 Credit

OFFERED: SEMESTER

TEACHER/ADMINISTRATION PLACEMENT

This course is required for those students who score 2 standard deviations below average on the MAPS assessment given in the fall and spring of the year. The course is structured to improve areas of weakness for each individual student. Course will use a combination of online software and teacher direct instruction. A team including teachers, counselor and principal will determine if the student is required to take the course more than once.

CREATIVE WRITING

9 10 11 12

.5 Credit

OFFERED: SEMESTER

NOTE: Students who have taken this course may take it again (with teacher consent).

This class is designed for students who like to write poetry, plays and short stories. Students will learn about style, form and techniques used by good writers in all of those areas of writing. Students will write to publish in a magazine, on line, or as a submission to a writing contest, as well as critique each other's writing.

ENGLISH DEPARTMENT CONT.

YEARBOOK

9 10 11 12

1 Credit

OFFERED: FULL YEAR

PREREQUISITE: ABILITY TO ATTEND EVENTS IN AND OUT OF SCHOOL FOR ARTICLES, PHOTO, ETC.

***NOT FOR ENGLISH CREDIT**

Note: Students who have taken this course may take it again (with teacher consent).

This class is as close to the real world as you're going to get: deadlines, high pressure, layouts and a product that is viewed by more than just your high school teacher. Welcome to the world of Yearbook. For this class, students will work collaboratively to design The Viking. From concept to implementation, students will work hand-in-hand with teachers to develop the best publication possible. To achieve this, students must work online from home, attend school activities (before, during and after school), engage in interviews (staff, student and community members), market (advertising and sales), as well as design creative pages/layouts using Yearbook Avenue and Photoshop.

ENGLISH 10 OR HONORS ENGLISH 10

10

1 Credit

OFFERED: FULL YEAR

This course is a requirement for ALL sophomores. The course will build on the skills developed in English 9. The rigor will increase as students continue to look at various genres of literature of literature and informational text and start to focus their writing skills on a specific mode of writing. Frequent writing and associated grammar skills will continue to be required in this course and will correspond with units in literature. This course will also focus on standards for speaking and listening at this grade level.

ENGLISH DEPARTMENT CONT.

ENGLISH 11: AMERICAN LITERATURE

11

1 Credit

OFFERED: FULL YEAR

This is a junior-level course that focuses on the major influences in American culture and the resulting movements in American literature in both literature and informational texts. This is a survey class designed to develop a student's understanding of movements related to Romanticism, Realism, Modernism, and more. This course will also require students to pull writing skills from their previous English courses to develop cohesive and mechanically-correct writing that discusses different topics related to the literature and arguments presented in the course. This class will also cover the speaking and listening standards at this grade level.

AP LANGUAGE & COMPOSITION

11 12

1 Credit

OFFERED: FULL YEAR

NOTE: Summer work may be required

The AP English Language and Composition course aligns to introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.

AP Language and Composition is demanding, **requiring work during the summer, as well as frequent out-of-class reading and both short-term and long-term writing assignments.** Classroom discussion, active participation, and consistent attendance are vital to success in the class. Students who pass the test given by the College Board and Educational Testing Service **may** receive up to six college credits in English. Students who are interested in this class should check with the colleges they are planning to attend for specific information about their acceptance of AP credits.

ENGLISH DEPARTMENT CONT.

ENGLISH 12: WORLD LITERATURE

12

1 Credit

OFFERED: FULL YEAR

This is a senior-level course that focuses on exploring literature and informational texts/ideas from around the world. From poetry to novels, students will be looking at the idea of character development, examining tone and thematic devices, as well as studying other key literary ideas. Students will continue to develop their writing, speaking, and listening skills in order to enhance the literature as well as the contemplation of the world around them through the literary lens.

AP LITERATURE & COMPOSITION

12

1 Credit

OFFERED: FULL YEAR

NOTE: Summer work may be required

The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

AP English is demanding, **requiring work during the summer, as well as frequent out-of-class reading and both short-term and long-term writing assignments.** Classroom discussion, active participation, and consistent attendance are vital to success in the class. Students who pass the test given by the College Board and Educational Testing Service **may** receive up to six college credits in English. Students who are interested in this class should check with the colleges they are planning to attend for specific information about their acceptance of AP credits.

ENGLISH DEPARTMENT CONT.



ENGLISH 101-CAPP

12

.5 Credit

OFFERED: SEMESTER

A Writing-Based Inquiry Seminar for CAPP students designed primarily to develop the understanding and skills needed to read and write intelligently at the college level. Some attention is given to responsible handling of research materials. Successful completion of English 101 fulfills the first level of the General Education composition requirement. Successful completion will fulfill the Writing-Based Inquiry Seminar requirement. Students who have earned credit for WBIS 188 may not take English 101 and WBIS. This course requires a fee for credit from UW-Oshkosh. The grade earned in this class will be a permanent part of the student's UW-Oshkosh transcript. (Students who fail this course will have a college transcript at UW-Oshkosh showing an "F" grade.)

At this time, the course requires a \$300 fee plus possible cost of textbooks for this 3-course from UW-Oshkosh. If taking for college credit, the student must enroll at UW-Oshkosh prior to taking the course (Student services will assist families with the enrollment process.) The student that successfully completes this course will earn 3 college credits pending approval by UW-Oshkosh through CAPP (Cooperative Academic Partnership Program). Students can still take this course and not take it for college credit. No course fee is assessed if not taking for a college credit.

Seniors who meet at least one of the following requirements can enroll in CAPP:

- **Class rank in the top 25 percent**
- **A GPA of at least 3.25 on a 4.0 scale**
- **An ACT score of 24 or above and upper 50 percentile of class or GPA of 2.75 or higher.**



FOREIGN LANGUAGE

Department Course Offerings

R= Required course at indicated grade level

E= Elective Course at indicate grade level

Spanish I (E)
Freshman Year

FOREIGN LANGUAGE DEPARTMENT

SPANISH I

9 10 11 12

1 Credit

OFFERED: FULL YEAR

The course consists of patterns of conversations in functional, everyday settings, grammar study, and a study of Hispanic culture. Emphasis is placed on the development of the four language skills: listening, speaking, reading and writing. Additional practice is offered through the use of computers and videos.

SPANISH II

10 11 12

1 Credit

OFFERED: FULL YEAR

PREREQUISITE: SPANISH I WITH PASSING GRADE

The second-year course consists of extensive grammar study, vocabulary expansion, and conversation. Short stories may be read and discussed in class. Further refinement of oral proficiency is stressed through classroom practice as well as recordings for self-evaluation.

SPANISH III

11 12

1 Credit

OFFERED: FULL YEAR

PREREQUISITE: SPANISH II WITH PASSING GRADE

Third year Spanish consists of a further study of grammar plus strengthening of skills in understanding, speaking, reading and writing Spanish. The basic goal is for confident self-expression in Spanish, as well as greater appreciation of the culture, including art literature and music. As in Spanish I and II, there is extensive use of videos and computers to supplement instruction.

SPANISH IV

12

1 Credit

OFFERED: FULL YEAR

PREREQUISITE: SPANISH III WITH PASSING GRADE

Spanish IV continues the grammar review, examining the subtleties of the language in detail. The four areas of language learning (comprehension, speaking, reading and writing) are treated with an emphasis on confident self-expression in Spanish. Exploration of Hispanic culture is intensified.



MATH

Department Course Offerings

R= Required course at indicated grade level

E= Elective Course at indicate grade level

Algebra 1 (R)
Honors Geometry
Geometry in Construction
Math Skills (R-Based on test scores)
Freshman Year

MATH DEPARTMENT

YOUR ACADEMIC PROGRESS IN YOUR PREVIOUS MATH CLASS AND/OR TEACHER RECOMMENDATION WILL GUIDE YOUR COURSE SELECTION. SOME STUDENTS WILL BE REQUIRED TO TAKE ALGEBRA OR GEOMETRY LAB BASED ON TEST SCORES AND TEACHER RECOMMENDATION

ALGEBRA I

9

1 Credit

OFFERED: FULL YEAR

NOTE: STUDENTS NEED THEIR OWN SCIENTIFIC CALCULATORS. (SEE ADMINISTRATION IF NEED ASSISTANCE)

Students will be prepared to enroll in Geometry after successfully completing this course. Topics covered will include algebraic expressions and properties, functions, solving and graphing linear equations, writing linear equations, solving and graphing linear inequalities, systems of equations, exponents, polynomial operations, and factoring.

HONORS GEOMETRY

9 10

1 Credit

OFFERED: FULL YEAR

NOTE: STUDENTS MUST HAVE THEIR OWN SCIENTIFIC CALCULATORS (SEE ADMINISTRATION IF NEED ASSISTANCE). ALTHOUGH OPTIONAL, IT IS HIGHLY RECOMMENDED THAT YOU PURCHASE A TI-84 GRAPHING CALCULATOR.

In this class students will do an in-depth study of geometrical figures and their properties. Topics covered will include reasoning and proof, coordinate geometry, parallel and perpendicular lines, congruent triangles, triangle properties, similarity, the Pythagorean Theorem, special right triangles, trigonometric functions, quadrilaterals, properties of transformations, and properties of circles in a variety of situations. Applications and formal proofs of all topics are emphasized throughout the course work.

MATH SKILLS

9 10 11

.5 Credit

OFFERED: SEMESTER

TEACHER/ADMINISTRATION PLACEMENT

This course is required for those students who score 2 standard deviations below average on the MAPS assessment given in the fall and spring of the year. The course is structured to improve areas of weakness for each individual student. Course will use a combination of online software and teacher direct instruction. A team including teachers, counselor and principal will determine if the student is required to take the course more than once.

MATH DEPARTMENT CONT.

GEOMETRY

10

1 Credit

OFFERED: FULL YEAR

PREREQUISITE: PASSING GRADE IN ALGEBRA I

NOTE: STUDENTS NEED THEIR OWN SCIENTIFIC CALCULATORS (SEE ADMINISTRATION IF NEED ASSISTANCE.) THOUGH OPTIONAL, THE STUDENTS MAY WISH TO PURCHASE A RULER AND COLORED PENCILS

In this class students will work with various geometrical figures and their properties. Topics covered will include reasoning and proof, coordinate geometry, parallel and perpendicular lines, congruent triangles, triangle properties, similarity, the Pythagorean Theorem, special right triangles, and trigonometric functions. Applications of all topics are emphasized throughout the course work.

GEOMETRY IN CONSTRUCTION WITH PRODUCTION WOODWORKING

Grade level: 9-10

2 Credits

Type: Math and CTE

PREQUISITE: Algebra 1

Geometry in Construction:

This course is one part of the combined Geometry in Construction course. Students are engaged in exploring complex geometric situations and deepening their understanding of geometric relationships in the context of a construction project. They will prove theorems and solve problems about triangles, quadrilaterals, and other polygons; establish triangle congruence criteria based on analyses of rigid motions and formal constructions; apply similarity in right triangles to understand right triangle trigonometry; and use a rectangular coordinate system to verify geometric relationships. They will extend their knowledge of two-dimensional and three-dimensional objects to include informal explanations of circumference, area and volume formulas and consider the shapes of cross-sections. Students will prove basic theorems about circles and create and graph the equation of a circle. They will use the languages of set theory to expand their ability to compute and interpret theoretical and experimental probabilities. This contextual learning experience allows students to see a variety of geometry concepts used in real-world settings.

Production Woodworking

This course is one part of the combined Geometry in Construction course. Through hands on learning experiences and the building of an actual structure, students will apply geometry concepts to a variety of construction processes in order to see the connection between the two. Students will gain a hands-on understanding of basic construction methods, construction safety, and the variety of tools needed for different construction tasks. Through this course, students will be exposed to a variety of construction trades. This contextual learning experience allows students to see a variety of geometry concepts used in a real-world setting.

Note: This contextual learning experience combines all Geometry standards and Production Woodworking standards through relevant and interactive projects. Students will be enrolled in two

MATH DEPARTMENT CONT.

courses and receive both a Geometry and CTE credit. Both sections of this course will be co-taught by both a Math Instructor and a Tech Ed Instructor.

HONORS ALGEBRA 2

10 11

1 Credit

OFFERED: FULL YEAR

NOTE: STUDENTS MUST HAVE THEIR OWN SCIENTIFIC CALCULATOR. ALTHOUGH OPTIONAL, IT IS HIGHLY RECOMMENDED THAT YOU PURCHASE A TI-84 GRAPHING CALCULATOR (SEE ADMINISTRATION IF NEED ASSISTANCE).

In this class, students will do an in-depth study of algebraic equations and relationships. Topics covered will include equations, functions, inequalities, graphing, linear systems and matrices, quadratic functions, polynomials, radical functions, rational functions, exponential functions, and conics. Applications of all topics are emphasized throughout the course work.

ALGEBRA 2

11

1 Credit

OFFERED: FULL YEAR

PREREQUISITE: PASSING GRADE IN GEOMETRY

NOTE: STUDENTS MUST HAVE THEIR OWN SCIENTIFIC CALCULATORS. ALTHOUGH OPTIONAL, IT IS HIGHLY RECOMMENDED THAT YOU PURCHASE A TI-84 GRAPHING CALCULATOR (SEE ADMINISTRATION IF NEED ASSISTANCE).

Algebra II is a continuation of concepts learned in Algebra I and Geometry with an emphasis on equations, functions, inequalities, graphing, linear systems and matrices, quadratic functions, polynomials, radical functions, and rational functions. Applications of all topics are emphasized throughout the course work.

COLLEGE ALGEBRA AND TRIGONOMETRY

11 12

1 Credit

OFFERED: FULL YEAR

PREREQUISITE: COMPLETE ALGEBRA II

NOTE: STUDENTS MUST HAVE THEIR OWN SCIENTIFIC CALCULATORS (SEE ADMINISTRATION IF NEED ASSISTANCE). ALTHOUGH OPTIONAL, IT IS HIGHLY RECOMMENDED THAT YOU PURCHASE A TI-84 GRAPHING CALCULATOR.

College Algebra and Trigonometry is a continuation of concepts learned in Algebra II and will prepare students not pursuing math, science or engineering the ability to be successful in a required college level mathematics course. Topics covered include exponential and logarithmic functions, quadratic relations, conic sections, probability and statistics, trigonometric ratios and functions, and trigonometric graphs and identities. Applications of all topics are emphasized throughout the course work.

MATH DEPARTMENT CONT.

PRE-CALCULUS WITH TRIGONOMETRY

11 12

1 Credit

OFFERED: FULL YEAR

PREREQUISITE: PASSING GRADE IN ALGEBRA II.

NOTE: ALL STUDENTS MUST PURCHASE A TI-84 GRAPHING CALCULATOR (SEE ADMINISTRATION IF NEED ASSISTANCE).

This course will do an in-depth study of polynomial, rational, exponential, logarithmic and trigonometric functions with an emphasis on their applications and graphical analysis.

AP CALCULUS -AB

11 12

1 Credit

OFFERED: FULL YEAR

PREREQUISITE: Highly recommended completing Pre-Calculus with a passing grade.

NOTE: All students must purchase a TI-84 graphing calculator (see administration if need assistance)

Summer work may be required

The course covers all topics measured on the Advanced Placement Calculus AB exam. Students have the option of signing up for that exam early 2nd semester.



MUSIC

Department Course Offerings

R= Required course at indicated grade level

E= Elective Course at indicate grade level

Symphonic Band (E)
Concert Choir (E)
Acoustic Guitar (E)
Freshman Year

R= Required course at indicated grade level

E= Elective Course at indicate grade level

Symphonic Band (E)		
Concert Choir (E)		
Acoustic Guitar (E)		
Sophomore Year	Junior Year	Senior Year

MUSIC DEPARTMENT

SYMPHONIC BAND

9 10 11 12

1 Credit

OFFERED: FULL YEAR

PREREQUISITE: PREVIOUS INSTRUMENTAL TRAINING

The Parkview Symphonic Band is a performance group. Performances include marching band, pep band and concert band. This band has two concerts per year, Memorial Day Parades, Lighted Holiday parade, June Days parade, Solo & Ensemble, performs at local venues, and other civic and athletic events. **Attendance is mandatory at all functions. Students selecting this class must realize that it is a performing group and has required activities outside the school day that affect the grade for the course.**

CONCERT CHOIR

9 10 11 12

1 Credit

OFFERED: FULL YEAR

PREREQUISITE: PIZAZZ STUDENTS STRONGLY RECOMMENDED TO TAKE, BUT NOT REQUIRED

High School Concert Choir is a performance ensemble with an emphasis on high-quality rehearsal practices and integrated sight-singing, ear-training and rhythm counting. This class is designed to provide deeper enrichment in music and to improve upon vocal music skills, care of the human voice, and concert etiquette. Experiences and skill development throughout this course will allow any participant the opportunity to develop better listening skills, communication skills and an interdisciplinary perspective.

This class affords the participant introductory levels singing in at least five languages and a varied repertoire that spans millennium. Students electing this class must realize that it is a performing group and has required activities outside the school day that affect the grade for the course. It is strongly encouraged for students trying out for Parkview Pizazz to enroll in this course.

ACOUSTIC GUITAR

9 10 11 12

.5 Credit

OFFERED: SEMESTER

This class is a performing ensemble comprised of students with varying ability on guitar. Students will learn common chords, melodies, and bass lines on the acoustic guitar. This class will perform in one concert during the semester.



P.E./Health

Department Course Offerings

R=Required course at indicated grade level

E= Elective Course at indicate grade level

Health (R)
P.E.9 Active
P.E.9 Lifetime
Freshman Year

R= Required course at indicated grade level

E= Elective Course at indicate

Team Activities (E)		
Individual Activities (E)		
Fitness for Life (E)		
Strength & Conditioning (E)		
	Advanced Strength & Conditioning (E)	
	Lifetime Activities (E)	
Sophomore Year	Junior Year	Senior Year

P.E./HEALTH DEPARTMENT

HEALTH

9

.5 Credit

OFFERED: SEMESTER

This is a high school **requirement for graduation**. Students will learn mental and emotional health, family living, human growth and development, nutrition, personal health, alcohol, tobacco, and other drugs education, communicable and chronic diseases, injury prevention and safety, consumer and community health, and environmental health.

PHYSICAL EDUCATION 9- ACTIVE

9

.5 Credit

OFFERED: SEMESTER

This ninth grade Physical Education program is a general introductory class to develop student's enthusiasm for activity, self-esteem, peer relationships, and cooperation through physical activity.

The students who choose "Active Physical Ed. 9" will experience units like: Team Handball, Ultimate Frisbee, Indoor Boccer, Basketball, Team Volleyball, Angle Ball, and other high intensity activities that promote active wellness. This version of PE 9 is geared towards constant activity at high intensity levels to improve cardiovascular fitness (heart rate) in a competitively healthy environment!

PHYSICAL EDUCATION 9- LIFETIME

9

.5 Credit

OFFERED: SEMESTER

This ninth grade Physical Education program is a general introductory class to develop student's enthusiasm for activity, self-esteem, peer relationships, and cooperation through physical activity. The students who choose "Lifetime Physical Ed. 9" will experience units like: Badminton, Pickle Ball, Frisbee Golf, Tennis, Bocce Ball, Yard Games, Saucer Slam, and other activities that promote the individual who wants to focus less on the *intensity* of physical education, and more on learning to focus on staying lightly active for a lifetime of good health!

P.E./HEALTH DEPARTMENT CONT.

TEAM ACTIVITIES

10 **11 12** **.5**

Credit

OFFERED: SEMESTER

This course will involve participation in activities such as: softball, volleyball, basketball, rugby, ultimate Frisbee, lacrosse, soccer, touch/flag football, team handball, and other leisure sport activities. Instruction will focus on understanding and then executing team concepts and skills. Participants will also be involved in study and design of strategies, scoring, as well as the officiating involved in the respective sport.

INDIVIDUAL ACTIVITIES

10 11 12 **.5 Credit**

OFFERED: SEMESTER

This course will teach basic knowledge and involve participation in activities such as: badminton, pickleball, golf, aerobic conditioning, bowling, tennis, combatives, bocce ball, horse shoes, and weight training. Participants will also be involved in study and design of strategies, as well as the officiating involved in the respective sport.

FITNESS FOR LIFE

10 11 12 **.5 Credit**

OFFERED: Alternate Years Semester- Offered 2021-2022

This course will have students design an individualized fitness plan and implement the plan using the weight room, cardiovascular activities and other fitness workouts. Methods of evaluating each student's individual fitness level will be recorded and analyzed on a regular basis. Nutrition, supplements, and consumer issues will be discussed.

STRENGTH & CONDITIONING

10 11 12 **.5 Credit**

OFFERED: SEMESTER

This course will concentrate on training to increase muscle mass, muscle endurance, aerobic

capacity, overall strength, coordination, and enhance power. A variety of equipment will be used in the weight room along with aerobic games and fitness activities.

P.E./HEALTH DEPARTMENT CONT.

ADVANCED STRENGTH & CONDITIONING

11 12

.5 Credit

OFFERED: SEMESTER

PREREQUISITE: COMPLETION OF STRENGTH & CONDITIONING I

This course will continue building on the concepts and strategies taught in Strength & Conditioning. This course will concentrate on training to increase muscle mass, muscle endurance, aerobic capacity, overall strength, coordination, and enhance power. A variety of equipment will be used in the weight room along with aerobic games and fitness activities.

LIFETIME ACTIVITIES

11 12

.5 Credit

OFFERED: SEMESTER

This class is geared to the student who is self- motivated, concerned about fitness, enjoys physical activity, and is interested in pursuing a variety of lifetime sports. There will be a number of field trip opportunities throughout the course.

OFFICIATING

11 12

.5 Credit

OFFERED: Alternate Years Semester- Offered 2022-2023

This course will provide students an opportunity to learn the rules and the skills necessary to officiate the following Wisconsin Interscholastic Athletic Association (WIAA) high school sports: basketball, volleyball, baseball, softball, and football. Students will go through the rules of the game daily and practice their officiating skills during class activity time. Students will have the option of becoming a WIAA certified official upon successful completion of the course.



SCIENCE

Department Course Offerings

R= Required course at indicated grade level

E= Elective Course at indicate grade level

Biology 9 (R)

Freshman Year

R= Required course at indicated grade level

E= Elective Course at indicate grade level

Chemistry			
Horticulture & Landscaping (E)			
Principles of Physics (R)	Intro to Earth & Space Science (R)		
	Physics		
	Principles of Chemistry	AP Chemistry	
		Genetics (E)	
	Human Anatomy (E)		
	Forensic Science (E)		
	Medical Terminology (E)		
	Sophomore Year	Junior Year	AP Biology
			Senior Year

SCIENCE DEPARTMENT

BIOLOGY

9

1 Credit

OFFERED: FULL YEAR

Biology is a yearlong course concerned with the study of living things. There is an emphasis on learning by investigation. First semester topics include ecology, population biology, Biological diversity and conservation, the chemistry of life and Cell structure. Second semester topics include Cellular transport, Cellular energy, genetics and evolution.

PRINCIPLES OF PHYSICS

10

.5 Credit

OFFERED: SEMESTER

This course explores the nature of motion, force, heat, sound, light with optics, electricity, and magnetism. These various forms of energy will be investigated while students apply mathematical skills in experimental measurement and data analysis.

PRINCIPLES OF CHEMISTRY

10

.5 Credit

OFFERED: SEMESTER

This course provides the necessary fundamentals for the mathematical and experimental applications of matter. Classwork and laboratory work will develop students' reasoning power; the ability to apply chemical principles, and acquaint students with chemical laboratory techniques. ***Option exists to take Chemistry if prerequisites are met.**

SCIENCE DEPARTMENT CONT.

CHEMISTRY

10 11 12

1 Credit

OFFERED: FULL YEAR

PREREQUISITE: STUDENTS MUST HAVE COMPLETED ALGEBRA I AND ALGEBRA II OR BE TAKING ALGEBRA II AT THE SAME TIME THEY ARE TAKING CHEMISTRY.

Chemistry IS the central science! Chemistry is a laboratory-oriented course designed to teach students about matter and its changes. Course content includes atomic structure, chemical bonding, mass relationships, gases, liquids, solids, solutions, acids and bases and thermos-chemistry. This course provides a solid framework in chemistry which will prepare the student for further studies that delve deeper into chemistry

HORTICULTURE AND LANDSCAPING

10 11 12

.5 Credit

OFFERED: SEMESTER 2

In one of the most rapid growth areas of agriculture, students in this class will be introduced to the world of plant sciences. Upon successful completion of this course, students will understand plant propagation, pest management, growth stimulants, rooting hormones, house plants, terrariums, bedding plants, lawn maintenance, trees and shrubs, and gardens.

Students will be able to manage a greenhouse in the production of such plants as poinsettias, mums, geraniums, and Easter lilies. The students will understand concepts of hydroponics, the production of plants without soil, while raising such crops as lettuce and tomatoes with the nutrient enriched water of our fish production tanks. Students will become familiar with a computer-based landscape design program and participate in a landscape design project. On completion of this class, students will be eligible for advance placement at all Wisconsin Technical Colleges (excluding MATC) in the area of Plant Morphology and Physiology and Soil Science.

INTRO TO EARTH & SPACE SCIENCE

11 12

.5 Credit

OFFERED: SEMESTER

Engage in a journey to discover the Earth's place in the Universe and humanity's place on Earth. Learn how compounds throughout the universe interact and cycle on Earth to support life. Study the forces that build and destroy planets. Pursue projects and create models that explain the scientific principles of the ever-changing Universe.

SCIENCE DEPARTMENT CONT.

PHYSICS

11 12

1 Credit

OFFERED: FULL YEAR

PREREQUISITE: STUDENTS MUST HAVE COMPLETED ALGEBRA I AND GEOMETRY AND COMPLETED OR BE TAKING ALGEBRA II AT THE SAME TIME AS PHYSICS. TRIGONOMETRY IS HIGHLY SUGGESTED.

Physics involves the study of the different forms of energy and how these forms of energy affect our lives. The focus of the first semester is on the analysis of moving objects and the forces that cause motion. The second semester focuses on the study of sound, light, geometric optics, and electrical energy, and modern physics topics as time allow.

AP CHEMISTRY

11 12

1 Credit

OFFERED: FULL YEAR

PREREQUISITE: MINIMUM GRADE OF "B" IN BOTH SEMESTERS OF CHEMISTRY IS HIGHLY SUGGESTED

NOTE: Summer work may be required

AP Chemistry is a second-year chemistry course designed to help students pass the College Board Chemistry exam. The topics include and extend beyond those covered in Chemistry I. These include, but are not limited to: Chemical Equilibrium: Calculations of Equilibrium, LeChatelier's principle, Effect of Temperature on Equilibrium
Chemical Kinetics: Activation Energy, Rate Law Expressions, catalysts, and reaction mechanism
Electrochemistry: Oxidation and reduction, half-cells & equations, electrochemical (voltaic) cells, standard voltages, and the Nernst Equation.

GENETICS

11 12

.5 Credit

OFFERED: SEMESTER

PREREQUISITE: STRONGLY RECOMMENDED, BUT NOT REQUIRED MINIMUM GRADE OF "C" IN BIOLOGY BOTH SEMESTERS

This course includes an in-depth study of genetics and other selected topics in the life sciences. There will be an emphasis on learning by investigation. Students will be performing crosses with fruit flies. Other topics include DNA testing & chromosomal disorders. A field trip to Madison to learn about DNA Fingerprinting, will be at the teacher's discretion, which would require a fee.

SCIENCE DEPARTMENT CONT.

HUMAN ANATOMY

11 12

1 Credit

OFFERED: FULL YEAR

PREREQUISITES: COMPLETED AND PASSED BIOLOGY

This course is a comprehensive study of the human body using lecture, surgical videos and animal dissection.

This course is designed especially for those students considering careers in health, medicine, or the life sciences. Students need to be able to dissect a pig. A field trip to UW Marquette to see cadavers will be at the teacher's discretion, which would require a fee.

FORENSIC SCIENCE

11 12

1 Credit

OFFERED: FULL YEAR

This course is a full year investigative science course. Students will learn how to observe, collect, analyze and evaluate evidence found at crime scenes. Some of the topics covered are fingerprints, hair, drugs, fibers, ballistics, entomology, anthropology, odontology, blood spatter, and DNA analysis.

MEDICAL TERMINOLOGY

11 12

1 Credit

OFFERED: Alternate Years Full Year- Offered 2021-2022

Speaking the medical language is a critical need in the medical field by all. Understanding the root of the medical terms; prefixes; suffixes; abbreviations; and symbols utilized in the medical field are necessary each hour of job performance in this career area. Class will involve guest speakers who utilize the terms in discussion.

AP BIOLOGY

12

1 Credit

OFFERED: FULL YEAR

PREREQUISITE: BIOLOGY AND GENETICS; MINIMUM GRADE OF "B" IS HIGHLY SUGGESTED

NOTE: Summer work may be required

AP Biology is a second-year biology course designed to help students pass the College Board Biology exam. The topics include and extend beyond those covered in Biology. Labs include: cells - diffusion and osmosis, enzyme catalysis, mitosis and meiosis, photosynthesis, and cellular respiration; genetics - statistical analysis, population genetics, and evolution; animals - physiology, circulatory system, behavior, and dissolved oxygen.



SOCIAL STUDIES

Department Course Offerings

R=Required course at indicated grade level

E= Elective Course at indicate grade level

**History of the Decades
(R)**

AP U.S. History

Freshman Year

R= Required course at indicated grade level

E= Elective Course at indicate grade level

World Studies (R)		
AP U.S. History		
AP World History		
History of the Holocaust		
Current Events		
Criminal Law		
Sophomore Year	Civics (R)	
	AP Government & Politics	
	Sociology	
	Psychology	
	AP Psychology	
	Junior Year	Senior Year

SOCIAL STUDIES DEPARTMENT

MODERN U.S. STUDIES

9

1 Credit

OFFERED: FULL YEAR

Modern U.S. Studies is a required course for all freshmen, unless taking AP U.S. History. This course takes a multi-disciplinary approach to studying the evolution of the modern United States. Major attention is devoted to understanding the impact of government, economics, foreign policy and societal changes throughout modern history.

AP US HISTORY

9 10 11 12

1 Credit

OFFERED: FULL YEAR

NOTE: Summer work may be required

This course examines the whole of United States history, from the first inhabitants to the modern era, focusing on how events in history have shaped our world today. Students will have the opportunity to take a more in depth look at topics they have covered in past history courses, specifically looking at various interpretations of the same event. The ultimate goal of this course is to prepare for the AP History test in May, which could earn a student up to 6 college credits.

Moreover, the course will be largely discussion based and will require students to keep up with reading assignments and participate on a daily basis.

WORLD STUDIES

10

1 Credit

OFFERED: FULL YEAR

This course studies the political, religious, social, and artistic achievements of Medieval Europe and the Renaissance are explored. Further coverage of social and political change, and nationalism and reform around the world are addressed through primary documents and cooperative learning opportunities.

SOCIAL STUDIES DEPARTMENT CONT.

AP WORLD HISTORY

10 11 12

1 Credit

OFFERED: FULL YEAR

NOTE: Summer work may be required

This course is designed to explore human history beginning at 1200 BCE and covering civilizations in Asia, the Americas, and Africa, as well as Europe. Themes throughout the course include interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures. Students will be expected to read college level texts, write essays, and critically analyze historical evidence. Students will have the opportunity to take the Advanced Placement Exam in May.

HISTORY OF THE HOLOCAUST

10 11 12

.5 Credit

OFFERED: SEMESTER

Understanding the holocaust requires a comprehensive study of not only times, dates, and places, but also the motivation and ideology that allowed these events to occur. In this course, students will study the history of anti-Semitism; the rise of Hitler and the Nazi party; and the Holocaust itself, from its beginnings through liberation. Students will also examine the aftermath of the Holocaust, including more modern cases of genocide. The study of the Holocaust is a multi-disciplinary one, integrating world history, geography, American history, and civics. Through this in-depth, semester-long study of the Holocaust, students will gain an understanding of the ramifications of prejudice and indifference, the potential for government-supported terror, and they will get glimpses of kindness and humanity in the worst of times.

CIVICS

11 12

.5 Credit

OFFERED: SEMESTER

This course is required for graduation. This course covers the basic structure and functions of both our federal and state governments. These are broken down into sections on the three main branches: executive, legislative, and judicial. In addition, this course will explore other topics including elections and political parties, as well as discuss important current events happening in our country and state.

SOCIAL STUDIES DEPARTMENT CONT.

CRIMINAL LAW

10 11 12

.5 Credit

OFFERED: SEMESTER

Students will examine many aspects of criminal law including the crimes against property and people, crime investigations, sentencing, victims, trial procedure, gangs, capital punishment, juvenile justice, the Constitution and the Bill of Rights, the Supreme Court, and much more.

CURRENT EVENTS-2000 to Present

10 11 12

.5 Credit

OFFERED: SEMESTER

PREREQUISITE: COMPELTE MODERN U.S. STUDIES 9

This course examines global events within the social, political, economic, and historical lenses. Based from the early 2000's to events happening today, students will gain an enhanced understanding of the world along with enhancing their research and analysis skills. Students are expected to discuss modern events and present their research projects within this course.

AP U.S. GOVERNMENT & POLITICS

11 12

1 Credit

OFFERED: FULL YEAR

NOTE: Summer work may be required

AP (Advanced Placement) US Government and Politics is a year-long in-depth course exploring the structure, function, and interaction of the multiple aspects of government in America, as well as how political parties, ideologies, and beliefs impact those aspects. This course is rigorous, with a great deal of required reading and independent work, meant to prepare students for the AP US Government and Politics Test in the spring, which can give college credit. In addition to the intense coursework and test, students will be required to do a political science research or applied civics project, culminating in a presentation of findings.

SOCIOLOGY

11 12

.5 Credit

OFFERED: SEMESTER

This course will examine the theories and perspectives related to the field of sociology, which is

SOCIAL STUDIES DEPARTMENT CONT.

the scientific study of society and how it impacts/influences human behavior. Over the course of the semester we will closely examine social structures, deviance, media, social inequality, social institutions, social change, socialization, gender, and family.

Moreover, the course will be largely discussion based and will require students to keep up with reading assignments and participate on a daily basis.

PSYCHOLOGY

11 12

.5 Credit

OFFERED: SEMESTER

This course is an introductory class to psychology. Over the course of the semester we will examine major concepts, terms, and theories. Units will include: history/research in psychology, brain structure/ function, sensation/perception, memory, motivation /emotion, learning, cognition, language, intelligence, individual differences, social/cultural behavior, personality, personality assessment, psychological disorders, treatment of psychological disorders, states of consciousness, sleep/dreams, and developmental psychology.

This class is largely discussion based and will require students to keep up with reading assignments and participate on a daily basis.

AP PSYCHOLOGY

11 12

1 Credit

OFFERED: FULL YEAR

NOTE: Summer work may be required

AP Psychology is taught on the level of a college Psych 101 course, with comparable reading, writing, and critical thinking skills required. Self-motivation is important in this class. Topics include: research methods, personality, psychological disorders, the function and structure of the brain and the mind/body connections to behavior, learning/memory, consciousness and dreaming, mental health, motivation/emotion, and social psychology. Emphasis is placed on how psychology affects the students in their own lives. Critical thinking, test-taking, and writing skills will be emphasized in order to prepare students for college as well as the rigorous College Board Advanced Placement Psychology Exam in May. Students who pass the AP Psych exam may qualify for college credits at most colleges. Introduction to Psychology is not required. Strong reading skills and motivation are important.



TECHNICAL ED.

Department Course Offerings

R=Required course at indicated grade level

E= Elective Course at indicate grade level

Intro. To Engineering Design (E)
Mechanical Drawing 1 (E)
Robotics Engineering & Design (E)
Woodworking (E)

Freshman Year

R= Required course at indicated grade level

E= Elective Course at indicate grade level

Architectural Drawing (E)		
Intro. to Engineering Design (E)		
Mechanical Drawing 1 (E)		
Research & Development (E)		
Robotics Engineering & Design (E)		
Woodworking (E)		
Principles of Engineering (E)		
Sophomore Year	Building Construction (E)	
	Junior Year	Senior Year

TECHNICAL ED. DEPARTMENT

ARCHITECTURAL DRAWING

9 10 11 12

.5 Credit

OFFERED: ALTERNATE YEARS SEMESTER-OFFERED: 2022-2023

This course will make the student a knowledgeable homebuyer. This course is recommended for students interested in interior design and architecture. During this course, a study and drawing for foundations, wall plans, roof plans, and electrical plans are completed. Designs will be completed using drafting equipment and computers with a cad system. The student, using different problem-solving techniques, will develop a personal home design

INTRODUCTION TO ENGINEERING DESIGN

9 10 11 12

1 Credit

OFFERED: FULL YEAR

This course is a high school level course that is appropriate for 9th or 10th grade students who are interested in design and engineering. The major focus of the IED course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding of course concepts through activity, project, and problem-based learning. The course of study includes:

- * Design Process
- * Modeling
- * Sketching
- * Measurement, Statistics, and Applied Geometry
- * Presentation Design and Delivery
- * Engineering Drawing Standards
- * CAD Solid Modeling
- * Reverse Engineering
- * Consumer Product Design Innovation
- * Marketing
- * Graphic Design
- * Engineering Ethics
- * Virtual Design Teams

TECHNICAL ED. DEPARTMENT CONT.

MECHANICAL DRAWING I (AS)

9 10 11 12

OFFERED: SEMESTER



.5 Credit

Drawing is the foundation for all aspects of industry and technology. Mechanical Drawing I is a design course based on **applied geometry**. This is an introductory career exploration course. Basic fundamentals such as: drawing tools, geometric construction, orthographic projection, pictorial drawings and dimension practices are covered. **CAD** is introduced using Autodesk Inventor on the Dell computers.

RESEARCH AND DEVELOPMENT

9 10 11 12

OFFERED: Alternate Years Semester- Offered 2022-2023

PREREQUISITE: MECHANICAL DRAWING 1 or IED

.5 Credit

Creativity is important to the engineer, technologist, and other members of the industrial team since they must develop all products and processes. Many problems in this course are structured to have more than one solution to exercise the imagination. The purpose of this course is to develop in each student the ability to identify problems, formulate new ideas, improve some existing products, collect data, and solve problems related to given criteria.

The students will construct a CO₂ car, robotic mechanical crane, mousetrap vehicle, bridge, paperweight platform, and a machine ball energy transfer. Units covered are design in industry, problem solving techniques, and decision making.

ROBOTICS ENGINEERING & DESIGN

9 10 11 12

OFFERED: SEMESTER

.5 Credit

Robotics Engineering & Design is a high school level course that is appropriate for 9-12th grade students who are interested in the design, engineering, and programming of robots or other skilled careers. The Robotics Engineering & Design course is designed to explore the past, present, and future use of automation technology in industry and everyday use. Robotic Engineering & Design focuses heavily on prior knowledge from STEM and Core related courses. Students will receive a comprehensive overview of robotic systems and the subsystems that comprise them.

TECHNICAL ED. DEPARTMENT CONT.

WOODWORKING

9 10 11 12

.5 Credit

OFFERED: SEMESTER

PREREQUISITE: MECHANICAL DRAWING 1 or IED

This course includes units on industrial math, bill of materials, plan of procedure, and machine operation. Machine operation and safety are stressed with safety tests and student operation. Using computer programs for woodworking completes safety review. Various units that pertain to woodworking are completed. The construction of wood projects are completed by the student and graded according to quality. A fee is charged for construction materials, based on student's project.

PRINCIPLES OF ENGINEERING

10 11 12

1 Credit

OFFERED: FULL YEAR

RECOMMEND: COMPLETE IED FIRST

This survey course of engineering exposes students to major concepts they'll encounter in a postsecondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, documenting their work and communicating solutions to peers and members of the professional community.

BUILDING CONSTRUCTION

11 12

.5 Credit

OFFERED: SEMESTER

Providing housing for our businesses and our ever-growing population is a major concern for today's world. This class is designed to provide entry-level skills in building construction and prepare a list of materials needed. The Building Construction student will be able to prepare a site and do necessary cement work with the foundation and footings. Framing, siding, roofing, finishing, wiring, and plumbing are many other skills that the student will be able to demonstrate at the construction site. Energy sources such as gas, solar, hydroelectric, and wind power will also be explored in this course.



Career Pathway Options

Choose wisely and with intention....

Consider:

YOUR interests

YOUR strengths

YOUR aptitudes

YOUR values

YOUR personal career goals

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

Agribusiness Systems
Animal Systems
Environmental Service Systems
Food Production & Processing Systems

Natural Resources Systems
Plant Systems
Power, Plant, & Technical Systems

Courses Offered in this Pathway

Agri Science Survey
Agribusiness & Leadership
Algebra 1 & 2
Agricultural Power Machines Technology
Agriculture Welding & Metal
Biology, AP Biology
Accounting 1 & 2
Success 101
College Algebra & Trigonometry
Chemistry

Food Production & Processing
Large Animal Veterinary Science
Small Animal Veterinary Science
Wisconsin Outs=doors
Earth & Space Science
Consumer Chemistry
Spanish 1-IV
Introduction to Business
Geometry

Extracurricular Organizations & Activities

FFA
National Honor Society
Athletics/Sports Teams

Do you have an interest in:

ANIMALS

- Working with sick or injured animals
- Working with companion animals like dogs and cats
- Working with unique species such as fish for food
- Marine Biology
- A medical field

Natural Resources

- Native fish and their aquatic habits
- Forest ecosystems
- Preservation of endangered species
- Wolves and whitetails in Wisconsin
- Air and Water Quality

PLANTS

- Caring for plants in your home or yard
- Designing landscape for homes or businesses
- Developing new plants or modifying existing ones
- What plants need to grow successfully

Foods

- What makes bread rise
- Being a food scientist
- Designing new food and flavors
- How science is used to process your food

CAREER OPTIONS

FROM HIGH SCHOOL

On-the-job Training and/or minimal experience

Bee Keeper	Fisherman	Nursery Worker	Stable Worker
Crop Sprayer	Landscape Laborer	Pet Groomer	Vet Hospital Worker
Farm Worker	Logger	Per Shop Worker	

CAREERS WITH CERTIFICATION/ASSOCIATION DEGREE

Community college, technical college, apprenticeship, experience

Arborist	Crop&/or Animal Farmer	Genetic Technologist	Turf Manager
Animal Control Officer	Environmental Technician	Golf Course Management	Veterinary Technician
Animal Nutritionist	Farrier	Greenhouse Manager	Waste Water Technician
Bio-Tech Lab Technician	Fish & Game Officer	Horticulturist	Landscape Designer

BACHELORS, PRE-PROFESSIONAL OR HIGHER DEGREE

Colleges/Universities

Ag Commodities Broker	Animal Scientist	Game Warden	Soil Scientist
Ag Economist	Biochemist	Geneticist	Toxicologist
Ag Educator	Botanist	Greenhouse Operator	USDA Inspector
Ag Engineer	Entomologist	Landscape Architect	Veterinarian
Ag Banker	Marine Biologist	Wildlife Biologist	Zoologist
Animal Psychologist	Food Scientist	Plant Pathologist	Forrester
Soil Geologist	Ag Sales & Communications		



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

Career Pathways

Construction
Design-Pre-Construction
Maintenance / Operations

Courses Offered in this Pathway

Architectural Drawing
Agricultural Buildings and Construction
Success 101
Introduction to Business
Woodworking
Robotics & Engineering Design
Computer Literacy

Algebra I through Calculus
English -Skills acquired in English are
considered important for all career paths
Spanish I-IV
Physics
Programming I, II, III

Extra-Curricular Organizations & Activities

FFA
National Honor Society
Student Council
Athletics / Sports Teams

Do you have an interest in:

Activities that describe what I like to do:

- Read and follow blueprints and/or instructions
- Picture in my mind what a finished product looks like

Work with my hands.

- Perform work that requires precise results
- Solve technical problems
- Visit and learn from beautiful, historic, or interesting buildings
- Follow logical, step-by-step procedures

Personal qualities that describe me:

- Curious
- Good at following directions
- Pay attention to detail
- Good at visualizing possibilities
- Patient and persistent

School subjects that I like:

- Math
- Drafting
- Physical Sciences
- Construction Trades
- Electrical Trades/Heat, Air Conditioning and Refrigeration/Technology Education

Career Options

FROM HIGH SCHOOL

On-the-job training and/or minimal experience

- | | | |
|----------------------------|---------------------|-------------------------------------|
| Construction Laborer | Highway Maintenance | Grading & Leveling Machine Operator |
| Construction Worker Helper | Roofer | Heavy Equipment Operator |
| Fence Builder | Tile Setter | Groundskeeper and Gardener |

CAREERS WITH CERTIFICATION/ASSOCIATION DEGREE

Community college, technical college, apprenticeship, experience

- | | | |
|-----------------------|-------------------|-----------------------------------|
| HVAC Technician | Drywall Installer | Plumber |
| Architectural Drafter | Electrician | Tile Setter |
| Brick Layer | Glazier | Civil Engineering Technician |
| Carpenter | Pipefitter | Electrical Engineering Technician |
| Cement Mason | Plasterer | |

BACHELORS, Pre-PROFESSIONAL or HIGHER DEGREE

Colleges / Universities

- | | | |
|---------------------|---------------------|---------------------|
| Architect | Civil Engineer | Grounds Supervisor |
| Building Contractor | Cost Estimator | Interior Design |
| C.A.D. Designer | Electrical Engineer | Landscape Architect |



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

Career Pathways

Audio and Video Technology and Film
 Visual Arts
 Journalism and Broadcasting

Printing Technology
 Performing Arts
 Telecommunications

Courses Offered in this Pathway

Architectural Drawing
 College Algebra & Trig
 English -Skills acquired in English are considered important for all
 Success 101
 Woodworking
 Computer Literacy

Algebra I &II, Geometry,
 Spanish 1-4
 career paths
 Programming 1, 2 & 3
 Yearbook

Extra-Curricular Organizations & Activities

Forensics
 Athletics/Sports Teams
 Activities Band
 Choir
 Show Choir
 Yearbook

Do you have an interest in:

Activities that describe what I like to do:

- Use my imagination to communicate new information to others
- Perform in front of others
- Read and write
- Play a musical instrument
- Perform creative, artistic activities
- Use video and recording technology
- Design brochures and posters

Personal qualities that describe me:

- Creative and imaginative
- Good communicator/good vocabulary
- Curious about new technology
- Relate well to feelings and thought of others
- Determined / tenacious

School subjects that I like:

- Math
- Drafting
- Physical Science
- Construction Trades
- Electrical Trades/Heat, Air Conditioning and Refrigeration/Technology Education

Career Options

FROM HIGH SCHOOL

On-the-job training and/or minimal experience

- | | | |
|----------------------------|---------------------|-------------------------------------|
| Construction Laborer | Highway Maintenance | Grading & Leveling Machine Operator |
| Construction Worker Helper | Roofer | Heavy Equipment Operator |
| Fence Builder | Tile Setter | Groundskeeper and Gardener |

CAREERS WITH CERTIFICATION/ASSOCIATION DEGREE

Community college, technical college, apprenticeship, experience

- | | | |
|-----------------------|-------------------|-----------------------------------|
| HVAC Technician | Drywall Installer | Plumber |
| Architectural Drafter | Electrician | Tile Setter |
| Brick Layer | Glazier | Civil Engineering Technician |
| Carpenter | Pipefitter | Electrical Engineering Technician |
| Cement Mason | Plasterer | |

BACHELORS, Pre-PROFESSIONAL or HIGHER DEGREE

Colleges / Universities

- | | | |
|---------------------|---------------------|---------------------|
| Architect | Civil Engineer | Grounds Supervisor |
| Building Contractor | Cost Estimator | Interior Design |
| C.A.D. Designer | Electrical Engineer | Landscape Architect |



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

Management
Business Financial Management & Accounting
Marketing & Communications

Human Resources
Business Analysis
Administrative & Information Support

Courses Offered in this Pathway

English
Accounting I & II
Intro to Foods & B
Programming I, II, III
Criminal Law
Information Processing I & II
Success 102
Algebra I & II, Geometry, College Algebra & Trig
Yearbook

Spanish 1-4
Computer Literacy
Success 101
Money & Power
Introduction to Business
Entrepreneurship & Marketing
Psychology
Legal Life After 17

Extra-Curricular Organizations & Activities

Forensics
Student Council
National Honor Society

Do you have an interest in:

Activities that describe what I like to do:

- Perform routine, organized activities but can be flexible
- Work with numbers and detailed information
- Be the leader in a group
- Make business contact with people
- Work with computer programs
- Create reports and communicate ideas

Personal qualities that describe me:

- Organized
- Practical and logical
- Patient
- Tactful
- Responsible

School subjects that I like:

- Computer Applications
- Business & Information Technology
- Accounting
- Math
- English
- Economics

Career Options

FROM HIGH SCHOOL

On-the-job training and/or minimal experience

- | | | |
|----------------------|--------------------------|----------------------|
| Bank Teller | Sales Clerk | Billing, Cost & Rate |
| Caterer | Telephone Operator | File Clerk |
| Typist | Hospital Admitting Clerk | Mail Clerk |
| Human Resource Clerk | Data Entry Clerk | Meter Reader |
| Receptionist | Hotel Clerk | |

CAREERS WITH CERTIFICATION/ASSOCIATION DEGREE

Community college, technical college, apprenticeship, experience

- | | | |
|--------------------------|----------------------|-------------------------|
| Accountant | Small Business Owner | Management Trainee |
| Administrative Assistant | Stenographer | Word Processor |
| Computer Operator | Tax Preparer | Retail Sales Supervisor |
| Court Reporter | Funeral Director | Industrial Clerk |

BACHELORS, Pre-PROFESSIONAL or HIGHER DEGREE

Colleges / Universities

- | | | |
|--------------------------------|----------------------------------|----------------------|
| Accountant - CPA | Health Care Administrator | Sales Representative |
| Advertising Manager | Human Resource Manager | Theater Manager |
| Art Director | Instrumental Sales/Manufacturing | Musician's Agent |
| Business & Industry Consultant | Marketing Manager | Event Planner |
| | Marketing Music Jingle Writer | |



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

Career Pathways

Administration & Administrative
Support Professional Support Services
Teaching / Training

Courses Offered in this Pathway

English- Skills acquired in English are considered important for all career paths

Geometry
Trigonometry
Sociology
Computer Literacy
Child Development
Information Processing I & II

Spanish I - IV
Algebra I 2
Yearbook
College Algebra
Trigonometry
Parenting Education
Programming 1, 2, & 3
Success 101

Extracurricular Organizations & Activities

Yearbook
Student Council

Do you have an interest in:

Activities that describe what I like to do:

- Communicate with different types of people
- Help others with their homework or to learn new things
- Go to school
- Direct and plan activities for others
- Handle several responsibilities at once
- Help people overcome their challenges

Personal qualities that describe me:

- Friendly
- Decision Maker
- Helpful
- Innovative/Inquisitive
- Good Listener

School subjects that I like:

- Language Arts
- Social Studies
- Math
- Science
- Psychology

Career Options

FROM HIGH SCHOOL

On-the-job training and/or minimal experience

Aerobics Instructor	Library Assistant
Child Care Assistant	Self Enrichment Teacher
Dance Teacher	

CAREERS WITH CERTIFICATION/ASSOCIATION DEGREE

Community college, technical college, apprenticeship, experience

Computer Installation	Library Technician
Demonstration	Sign Language Interpreter
Preschool Teacher	Teacher Assistant

BACHELORS, Pre-PROFESSIONAL or HIGHER DEGREE

Colleges / Universities

Apprenticeship Consultant	School Psychologist	School Counselor
Bilingual Educator	Secondary School Teacher	University Professor
Educational Administrator	Teacher of the blind	Training Program Manager
Instructional Coordinator	Vocational Education Teacher	Elementary School Teacher
Kindergarten Teacher	Librarian	Special Education Teacher
Music Teacher	Speech - Language Pathologist	Adult Literacy Teacher



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

Career Pathways

Financial & Investment Planning
Banking & Related Services

Business Financial Management
Insurance Services

Courses Offered in this Pathway

English- Skills acquired in English are
considered important for all career paths

Geometry
Accounting I & II

Entrepreneurship & Marketing
Information Processing I & II
Success 101
Success 102
Criminal Law

Spanish I - IV
Algebra I & II
Pre-Calculus
College Algebra &
Trigonometry
Computer Literacy
Programming I, II, III
Introduction to Business
Macro-Economics

Extracurricular Organizations & Activities

Forensics
FFA

Do you have an interest in:

Activities that describe what I like to do:

- Work with numbers
- Work to meet a deadline
- Make predictions based on existing facts
- Have a framework of rules by which to operate
- Analyze financial information and interpret it to others
- Handle money with accuracy and reliability
- Take pride in the way I dress and look

Personal qualities that describe me:

- Trustworthy
- Orderly
- Self-confident
- Logical
- Methodical or efficient

School subjects that I like:

- Accounting
- Math
- Economics
- Banking / Financial Services
- Business Law

Career Options

FROM HIGH SCHOOL

On-the-job training and/or minimal experience

- Bill & Account Collector
- Brokerage Clerk
- Cashier

CAREERS WITH CERTIFICATION/ASSOCIATION DEGREE

Community college, technical college, apprenticeship, experience

- | | |
|-------------------------------|-----------------------------|
| Accountant | Insurance Agent |
| Brokerage Clerk | Investigator & Adjuster |
| Claim Adjuster | Loan Officer |
| Financial Institution Manager | Personal Property Appraiser |

BACHELORS, Pre-PROFESSIONAL or HIGHER DEGREE

Colleges / Universities

- | | | |
|--------------------------------|--------------------------------|-----------------------|
| Accountant CPA | Credit Analyst | Manager |
| Actuary | Credit Card Operations Manager | Economist |
| Auditor | Insurance Underwriter | Financial Advisor |
| Brokerage Clerk | Investment Advisor | Stockbroker |
| Business & Industry Consultant | Music Store Accountant | Real Estate Appraiser |
| Controller | School District Business | |



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

Governance
Foreign Service
Revenue and Taxation
Public Management

National Security
Planning
Regulation

Courses Offered in this Pathway

Accounting I & II
Macro-Economics
Introduction to Personal Law 1
Success 101
AP Government & Politics
Spanish 1-4

Algebra I & II
Geometry
Computer Literacy
Legal Life After 17
Sociology
English

Extracurricular Organizations & Activities

FFA
Forensics
National Honor Society
Student Council

Do you have an interest in:

Activities that describe what I like to do:

- Be involved with politics
- Negotiate, defend, and debate ideas and topics
- Plan activities and work cooperatively with others
- Work with details
- Perform a variety of duties that may change often
- Analyze information and interpret it to others
- Travel and see things that are new to me

Personal qualities that describe me:

- Good communicator
- Competitive
- Service minded
- Well organized
- Problem solver

School subjects that I like:

- Government
- Language Arts
- History
- Math
- Foreign Language

Career Options

FROM HIGH SCHOOL

On-the-job training and/or minimal experience

- | | |
|--------------------------|--------------------------------|
| Mail Carrier | Mail Handling Machine Operator |
| Postal Clerk | License Clerk |
| Drivers License Examiner | Infantry Forces |

CAREERS WITH CERTIFICATION/ASSOCIATION DEGREE

Community college, technical college, apprenticeship, experience

- | | | |
|--------------------------|-----------------------|-----------------|
| Coroner | Accountant | Infantry Forces |
| City Planning Aid | Association Executive | Special Forces |
| Building Inspector | Postmaster | Title Examiner |
| Transportation Inspector | | |

BACHELORS, Pre-PROFESSIONAL or HIGHER DEGREE

Colleges / Universities

- | | | | |
|------------------------------|------------------------------|----------------------------|--------------------------|
| Accountant | Emergency Mgmt. Specialist | Legislator | Public Utilities Mgr. |
| Apprenticeship Consultant | Equal Opportunity Specialist | Music Administrator | Occ. Health & Safety |
| Aviation Security Specialist | Infantry Officer | Political Scientist | Peace Corps Volunteer |
| City Manager | Lawyer | Special Operations Officer | Social Services Adminis. |
| Dean of Students | Urban Planner | | Translator/Interpreter |



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

Career Pathways

Therapeutic Services

Health Informatics

Support Services Biotechnology Research and Development

Diagnostic Services

Courses Offered in this Pathway

English- Skills acquired in English are considered important for all career paths

Accounting I & II

Macro Economics

Introduction to Business

Success 101

Programming I, II, III

Psychology

Human Anatomy

Biology

Genetics

Spanish I - IV

Algebra I & II, Geometry,

PreCalculus, Calculus

College Algebra & Trigonometry

Computer Literacy

Chemistry

AP Biology

Entrepreneurship & Marketing

AP Chemistry

Medical Terminology, Biology, A.P

Forensic Science

Extracurricular Organizations & Activities

National Honor Society

Do you have an interest in:

Activities that describe what I like to do:

- Work under pressure
- Help sick people and animals
- Make decisions based on logic and information
- Participate in health and science classes
- Respond quickly and calmly in emergencies
- Work as a member of a team
- Follow guidelines precisely and meet strict standards Of accuracy

Personal qualities that describe me:

- Compassionate and caring
- Good at following directions
- Conscientious and careful
- Patient
- Good Listener

School subjects that I like:

- Biological Sciences
- Chemistry
- Math
- Occupational Health Classes
- Language Arts

Career Options

FROM HIGH SCHOOL

On-the-job training and/or minimal experience

- Certified Nursing Assistant
- Clerk
- Food Service Worker
- Hospital Admitting

CAREERS WITH CERTIFICATION/ASSOCIATION DEGREE

Community college, technical college, apprenticeship, experience

- | | | |
|------------------------------|----------------------------|--------------------------------|
| Emergency Medical Technician | Surgical Technician | Dental Assistant |
| Home Health Aide | Translator and Interpreter | Dental Hygienist |
| Massage Therapist | Ultrasound Technician | Dialysis Technician |
| Physical Therapy Aide | Medical Assistant | Occupational Therapy Assistant |
| Radiology Technologist | Registered Nurse | |

BACHELORS, Pre-PROFESSIONAL or HIGHER DEGREE

Colleges / Universities

- | | | |
|------------------------|------------------------|--------------------|
| Athletic Trainer | Pharmacist | Podiatrist |
| Chiropractor | Primary Care Physician | Oral Surgeon |
| Dentist | Psychiatrist | Registered Nurse |
| Dietician | Surgeon | Nurse Practitioner |
| Occupational Therapist | Geneticist | Anesthesiologist |
| Music Therapist | Statistician | Chemotherapist |



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

Career Pathways

Restaurant and
Food/Beverage Services
Lodging
Travel & Tourism
Recreation, Amusements & Attractions

Courses Offered in this Pathway

Algebra I & II, Geometry
Accounting I & II
Money & Power
Introduction to Business
Success 101
Programming I, II, III
Legal Life After 17
English

College Algebra & Trigonometry
Computer Literacy
Entrepreneurship & Marketing
Information Processing I & II
Entrepreneurship & Marketing
Success 102
Spanish 1-4

Extracurricular Organizations & Activities

Student Council
Yearbook
Forensics

Do you have an interest in:

Activities that describe what I like to do:

- Investigate new places and activities
- Work with all ages and types of people
- Organize activities in which other people enjoy themselves
- Have a flexible schedule
- Help people make up their minds
- Communicate easily, tactfully, and courteously
- Learn about other cultures

Personal qualities that describe me:

- Tactful
- Self-motivated
- Works well with others
- Outgoing
- Slow to anger

School subjects that I like:

- Language Arts/Speech
- Foreign Language
- Social Sciences
- Marketing
- Food Service

Career Options

FROM HIGH SCHOOL

On-the-job training and/or minimal experience

Baggage Porter & Bellhop
 Cake Decorator
 Concierge
 Day Worker
 Food Attendant
 Furniture Refinisher

Gaming Change Person &
 Booth Cashier
 Tour Guide
 Usher
 Wardrobe & Dressing
 Room Attendant

Janitor
 Hotel Clerk
 Waiter/Waitress
 Short Order Cook
 Restaurant Host/Hostess
 Hotel/Motel Housekeeper

CAREERS WITH CERTIFICATION/ASSOCIATION DEGREE

Community college, technical college, apprenticeship, experience

Club Manager
 Taxidermist
 Household Manager
 Concierge

Restaurant Manager
 Food Service Supervisor
 Caterer
 Recreation Director

Conference Planner
 Translator/Interpreter
 Motel & Hotel Manager
 Restaurant Cook/Chef

BACHELORS, Pre-PROFESSIONAL or HIGHER DEGREE

Colleges / Universities

Archivist
 Coach
 Conservation Technician
 Curator

Historian
 Musicians Agent
 Park Ranger
 Recreation Director

Resort Manager
 Theater Manager
 Translator/Interpreter



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

Career Pathways

Early Childhood Development & Services
Counseling & Mental Health Services Family
& Community Services
Consumer Services

Courses Offered in this Pathway

English- Skills acquired in English are
considered important for all career paths
Geometry
Sociology
Computer Literacy
Introduction to Business
Success 101

Spanish I - IV
Algebra I & II,

College Algebra & Trigonometry
Success 102
Human Anatomy
Psychology

Extracurricular Organizations & Activities

National Honor Society
Student Council

Do you have an interest in:

Activities that describe what I like to do:

- Care about people, their needs, and their problems
- Participate in community services and/or volunteering
- Listen to other people’s viewpoints
- Help people from preschool age to old age
- Work with people from preschool age to old age
- Think of new ways to do things
- Make friends with different kinds of people

Personal qualities that describe me:

- Good communicator/good listener
- Caring
- Non-materialistic
- Uses intuition and logic
- Non-judgmental

School subjects that I like:

- Language Arts/Speech
- Psychology/Sociology
- Family and Consumer Sciences
- Finance
- Foreign Language

Career Options

FROM HIGH SCHOOL

On-the-job training and/or minimal experience

- Aerobics Instructor
- Crossing Guard
- Household Cook
- Nanny

CAREERS WITH CERTIFICATION/ASSOCIATION DEGREE

Community college, technical college, apprenticeship, experience

- | | |
|----------------------------|----------------------|
| Community Organizer Worker | Skin Care Specialist |
| Cosmetologist | Embalmer |
| Funeral Director | Child Care Assistant |
| Institutional Cook | Preschool Teacher |
| Nail Technician | |

BACHELORS, Pre-PROFESSIONAL or HIGHER DEGREE

Colleges / Universities

- | | | |
|---------------------|----------------------------|--------------------------------|
| Dietician | Psychologist | Alcohol & Drug Abuse Counselor |
| Investment Advisor | School Counselor | Career Counselor |
| Liturgical Minister | Sociologist | Financial Counselor |
| Clergy | Social Worker | Psychiatrist |
| Music Therapy | Vocational Rehab Counselor | Personal Counselor |
| Placement Counselor | | |



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.

Career Pathways

Network Systems
Information Support & Services
Interactive Media
Programming & Software Development

Courses Offered in this Pathway

English
Information Processing 1 & 2
Geometry
Computer Literacy
Introduction to Business
Success 101

Spanish 1 -4
Algebra 1 & 2
Pre-Calculus
College Algebra & Trigonometry
Programming 1, 2, & 3

Extracurricular Organizations & Activities

Yearbook

Do you have an interest in:

Activities that describe what I like to do:

- Work with computers
- Reason clearly and logically to solve complex problems
- Use machines, techniques, and processes
- Read technical materials and diagrams and solve technical problems
- Adapt to change
- Play video games and figure out how they work
- Concentrate for long periods of time without being distracted

Personal qualities that describe me:

- Logic/analytical thinker
- See details in the big picture
- Persistent
- Good concentration skills
- Precise and accurate

School subjects that I like:

- Math
- Science
- Computer Tech/Applications
- Communications
- Graphic Design

Career Options

FROM HIGH SCHOOL

On-the-job training and/or minimal experience

Careers in this field require more than minimal experience or on-the-job training

CAREERS WITH CERTIFICATION/ASSOCIATION DEGREE

Community college, technical college, apprenticeship, experience

- | | |
|-----------------------------|-----------------|
| Computer Support Specialist | Sound Manager |
| Computer Systems Analyst | Tool Programmer |
| Recording Engineer | Webmaster |

BACHELORS, Pre-PROFESSIONAL or HIGHER DEGREE

Colleges / Universities

- | | | |
|----------------------------------|--------------------------|-------------------------------------|
| Animator | Software Engineer | Computer Programmer |
| Computer Engineer | Webmaster | Computer Security Specialist |
| Computer Network Coordinator | Video Game Designer | Information Scientist |
| Database Administrator | Computer Systems Analyst | Scientific & Engineering Programmer |
| Medical & Scientific Illustrator | | |



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

Career Pathways

Correction Services
Emergency & Fire
Management Security &
Protective Services Law
Enforcement Services
Legal Services

Courses Offered in this Pathway

Algebra I & II, Geometry
Information Processing I & II
Programming I, II, III
Introduction to Personal Law 1
Success 101
Sociology
Forensic Science
Spanish 1-4

Computer Literacy
College Algebra & Trigonometry
Legal Life After 17
Psychology
Chemistry
English

Extracurricular Organizations & Activities

Forensics
Student Council
FFA

Do you have an interest in:

Activities that describe what I like to do:

- Work under pressure or in the face of danger
- Make decisions based on my own observations
- Interact with people
- Be in a position of authority
- Respect rules and regulations
- Debate and win arguments
- Observe and analyze people’s behavior

Personal qualities that describe me:

- Adventurous
- Dependable
- Community minded
- Decisive
- Optimistic

School subjects that I like:

- Language Arts
- Science
- Psychology/Sociology
- Government/History

Career Options

FROM HIGH SCHOOL

On-the-job training and/or minimal experience

- | | |
|---------------------|-----------------------------|
| Corrections Officer | Parking Enforcement Officer |
| Crossing Guard | Security Guard |
| Dispatcher | |

CAREERS WITH CERTIFICATION/ASSOCIATION DEGREE

Community college, technical college, apprenticeship, experience

- | | | |
|------------------------------|---------------------|-----------------------|
| Bailiff | Firefighter | Park Ranger |
| Copyright Law | Legal Secretary | Police Officer |
| Court Reporter | Musician Law | Fire Inspector |
| Emergency Medical Technician | Paralegal Assistant | Police Canine Trainer |

BACHELORS, Pre-PROFESSIONAL or HIGHER DEGREE

Colleges / Universities

- | | | |
|-----------------------------|---------------------------------|----------------------|
| Adjudicator | Lawyer | Private Detective |
| Arbitrator | Park Ranger | State Patrol Officer |
| FBI Agent | Probation & Parole Officer | Police Officer |
| Forensic Science Technician | Fingerprint Examiner | Conservation Warden |
| Judge | Correctional Officer Supervisor | |
| Judicial Law Clerk | Emergency Management Specialist | |
| Forensic Science Technician | | |



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

Production
Maintenance, Installation & Repair
Logistics & Inventory Control

Manufacturing Production Process Development
Quality Assurance
Health, Safety & Environmental Assurance

Courses Offered in this Pathway

Algebra I & II, Geometry
Accounting I & II
Programming I, II, III
Introduction to Business
Success 101
Welding & Metals
Mechanical Drawing I
Woodworking
Spanish 1-4

Computer Literacy
College Algebra & Trigonometry
Physics
Chemistry, A.P. Chemistry
Manufacturing
Research & Development
English

Extracurricular Organizations & Activities

FFA

Do you have an interest in:

Activities that describe what I like to do:

- Work with my hands and learn that way
- Put things together
- Do routine, organized and accurate work
- Perform activities that produce tangible results
- Apply math to work out solutions
- Use hand and power tools and operate equipment / machinery

Personal qualities that describe me:

- Practical
- Observant
- Physically active
- Step-by-step thinker
- Coordinated

School subjects that I like:

- Math - Geometry
- Chemistry
- Trade and Industry courses
- Physics
- Language Arts

Career Options

FROM HIGH SCHOOL

On-the-job training and/or minimal experience

- | | | |
|---------------------------------|------------------|-------------------------------|
| Apparel & Home Furnishings Dyer | Hand Laborer | Production and Planning Clerk |
| Brush Painter | Oil Well Driller | Production Assembler |
| Engraver | Order Filler | |

CAREERS WITH CERTIFICATION/ASSOCIATION DEGREE

Community college, technical college, apprenticeship, experience

- | | | |
|-------------------------------|----------------------------|-----------------------------------|
| Apparel Pattern Maker | Locksmith | Electronic Engineering Technician |
| Combination Welder | Musical Instrument Repair | Machinist |
| Computer Technician | Quality Control Technician | Industrial Engineering Technician |
| Electrical Appliance Servicer | Tool and Die Maker | |
| Electric Motor Technician | | |

BACHELORS, Pre-PROFESSIONAL or HIGHER DEGREE

Colleges / Universities

- | | | |
|--|---------------------------|------------------------------|
| Communications Operations Manager | Industrial Engineer | Production Supervisor |
| Electrical Engineer | Mechanical Engineer | Stage & Sound Equipment Mfg. |
| Electronic Engineer | Musical Instrument Design | |
| Environmental Engineer | | |
| Occupational Health & Safety Inspector | | |



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

Career Pathways

Management & Entrepreneurship
 Buying & Merchandising
 Promotion Marketing Information Management & Research
 E-Marketing

Professional Sales & Marketing
 Marketing Communication &
 Distribution & Logistics

Courses Offered in this Pathway

English- Skills acquired in English are considered important for all career paths
 Geometry
 Accounting I & II
 Programming I, II, III
 Introduction to Business
 Success 101
 Info Processing I & II
 Entrepreneurship & Marketing

Spanish I - IV
 Algebra I & II,
 Success 102
 College Algebra & Trigonometry
 Computer Literacy
 Agribusiness & Leadership
 Macro Economics
 Legal Life After 17

Extracurricular Organizations & Activities

FFA
 Forensics
 Student Council

Do you have an interest in:

Activities that describe what I like to do:

- Shop and go to the mall
- Be in charge
- Make displays and promote ideas
- Give presentations and enjoy public speaking
- Persuade people to buy products or to participate in activities
- Communicate my ideas to other people
- Take advantage of opportunities to make extra money

Personal qualities that describe me:

- Enthusiastic
- Competitive
- Creative
- Self motivated
- Persuasive

School subjects that I like:

- Math
- Language Arts
- Business Education/Marketing
- Computer Applications

Career Options

FROM HIGH SCHOOL

On-the-job training and/or minimal experience

- | | | |
|----------------------------|---------------|---------------------------------|
| Antique/Collectible Dealer | Counter Clerk | Street Vendor |
| Cashier | Telemarketer | Customer Service Representative |
| Classified Ad Clerk | News Vendor | Wedding Planner |

CAREERS WITH CERTIFICATION/ASSOCIATION DEGREE

Community college, technical college, apprenticeship, experience

- | | | |
|----------------------------------|------------------|------------------|
| Advertising Layout Designer | Auctioneer | Buyer |
| Advertising Sales Representative | Auto Salesperson | Instrument Sales |
| Real Estate Agent | | |

BACHELORS, Pre-PROFESSIONAL or HIGHER DEGREE

Colleges / Universities

- | | | |
|-------------------------------|-------------------------------|-------------------------|
| Advertising Account Executive | Public Relations Manager | Insurance Agent |
| Advertising Manager | Purchasing Agent | Purchasing Manager |
| Business Agent | Research Analyst | Market Research Analyst |
| Marketing Manager | Public Relations Practitioner | Real Estate Broker |



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

Engineering &
Technology
Science & Math

Courses Offered in this Pathway

Algebra through Calculus Accounting I & II
College Algebra & Trigonometry
Programming I, II, III
Success 101
Environmental Science
Genetics
Introduction to Engineering Design
Mechanical Drawing I
Principles of Chemistry
Principles of Engineering Principles of Physics

English
Spanish 1-4
Computer Literacy
Intro to Earth & Space Science
Robotics & Engineering Design
Chemistry, A.P. Chemistry
Physics
Research & Development

Extracurricular Organizations & Activities

FFA

Do you have an interest in:

Activities that describe what I like to do:

- Interpret Formulas
- Find 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

Personal qualities that describe me:

- Detail Oriented
- Inquisitive
- Objective
- Methodical
- Mechanically inclined

School subjects that I like:

- Math
- Science
- Drafting/Computer Aided Drafting
- Electronics/Computer Networking
- Technical Classes/Technology Education

Career Options

FROM HIGH SCHOOL

On-the-job training and/or minimal experience

Statistical Clerk

CAREERS WITH CERTIFICATION/ASSOCIATION DEGREE

Community college, technical college, apprenticeship, experience

Biological Technician

Chemical Technician

Civil Engineering Technician

Mathematical Technician

Veterinary Technician

Mechanical Engineering Tech

Environmental Technician

Industrial Engineering Tech

Electronics Engineering Technician

Nuclear Technician

Petroleum Technician

BACHELORS, Pre-PROFESSIONAL or HIGHER DEGREE

Colleges / Universities

Aerospace Engineer

Architectural Engineer

Anthropologist

Archeologist

Astronomer

Biomedical Engineer

Chemical Engineer

Civil Engineer

Computer Engineer

Electrical Engineer

Geologist

Industrial Engineer

Mathematician

Statistician

Mechanical Engineer

Metallurgist

Mining Engineer

Nuclear Engineer

Physicist

Solar Engineer



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.

Career Pathways

Transportation Operations
 Management Operations
 Center Operations
 Maintenance
 Sales & Service

Logistics Planning &
 Warehousing & Distribution
 Facility & Mobil Equipment

Transportation Systems/Infrastructure Planning, Management & Regulation

Courses Offered in this Pathway

Algebra I & II, Geometry
 Accounting I & II
 Programming I, II, III
 Success 101
 Technology
 Introduction to Business

English
 College Algebra & Trigonometry
 Computer Literacy
 Agricultural Power Machines
 Spanish 1-4

Extracurricular Organizations & Activities

FFA
 Student Council

Do you have an interest in:

Activities that describe what I like to do:

- Travel
- See well and have quick reflexes
- Solve mechanical problems
- Design efficient processes
- Anticipate needs and prepare to meet them
- Drive or ride
- Move things from one place to another

Personal qualities that describe me:

- Realistic
- Mechanical
- Coordinated
- Observant
- Planner

School subjects that I like:

- Math
- Physical Sciences
- Trade and Industry courses
- Foreign Languages

Career Options

FROM HIGH SCHOOL

On-the-job training and/or minimal experience

- | | |
|----------------------------|------------------------------|
| Bus Driver | Shipping and Receiving Clerk |
| Deckhand | Traffic Clerk |
| Delivery Driver | Taxicab Driver |
| Highway Maintenance Worker | Light Truck Driver |
| Service Station Attendant | |

CAREERS WITH CERTIFICATION/ASSOCIATION DEGREE

Community college, technical college, apprenticeship, experience

- | | |
|-------------------------|-----------------------|
| Aircraft Mechanic | Railroad Conductor |
| Auto Body Technician | Security Consultant |
| Automobile Painter | Travel Agent |
| Cartographic Technician | Flight Attendant |
| Diesel Technician | Motorcycle Technician |

BACHELORS, Pre-PROFESSIONAL or HIGHER DEGREE

Colleges / Universities

- | | | |
|------------------------|--------------------------|-----------------------|
| Airline Pilot | Mechanical Engineer | Environmentalist |
| Air Traffic Controller | Mining Manager | Locomotive Engineer |
| Astronaut | Public Health Sanitarian | Travel Agency Manager |