

Plano High School



Course Description Guide

2014-2015

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Ms. Cassandra Gonzales . Counselor
Ms. Amy Ferguson. Social Worker

"You Reap What You Sow"

Plano Community Unit School District # 88 Mission Statement

***Preparing students for successful lives by inspiring
and expecting excellence in every student,
everyday!***

Introduction

This Course Description Guide has been compiled with the cooperation of the faculty of Plano High School and Indian Valley Vocational Center to aid our students in planning their course of study while in high school. What you learn both inside and outside the classroom and the record you make for yourself will largely determine what you will be able to do with your life. At each stage of your high school career, you should seriously consider your goals and develop a program of study to prepare you for further education in your life's work.

This handbook has been designed to help you, your parents, and your counselor plan a program appropriate for you. You, however, must carry the responsibility for this planning. Remember that you, as the student, have the primary responsibility. Use this guide to answer such important questions as:

1. Am I meeting the requirements for graduation?
2. Am I meeting the requirements for entrance to a college or vocation?
3. Am I choosing courses most appropriate to my interests and abilities?

Registration Procedure

- Use this guide as a reference to the courses of study offered at Plano High School.
- Do preliminary planning within a four-year period. Review the requirements for graduation to make sure they are all included in your four-year plan.
- Meet with the counselor to review proposed schedule and four-year plan.

Course Selection

When reading the course descriptions contained in this guide, please note that many courses have prerequisite requirements. A prerequisite requirement simply means that there is a sequence of courses that must be followed. If a course has a prerequisite, the prerequisite must be successfully completed prior to registering for the course.

The Symbol () in front of a course description denotes that the class is new for this year.**

Schedule Changes

Once pre-registration has been completed and the master schedule developed, changes in a student's schedule will be made only if clearly warranted. Reasons for changing a schedule may include:

- Conflict in scheduling which cannot be resolved
- Attendance or failure to attend summer school
- Clerical error on schedule
- Health reasons
- Change from one level to another based on approval
- Change supports a reasonable program of study

The Counselor approves all changes (Administration, Teacher and Parent approval may be required).

Grades

Transcript - A permanent record is kept of each student's semester grades. These grades are used to determine grade point average (GPA) and class rank at the end of each semester. Only semester final grades are indicated on each transcript.

Progress Reports . Halfway through each 9-week period a progress report will be available on Power School.

Report Card . Report cards will be available on Power School at the end of each quarter and semester. If you need a paper copy you can contact Plano High School.

Honor Roll

Honor roll designations include the following:

Superior Honor Roll . students earn a current semester weighted GPA of 4.0

Honor Roll . students earn a current semester weighted GPA of 3.0

Honor roll is only computed at the conclusion of each semester.

Valedictorian and Salutatorian

Valedictorian and Salutatorian are determined at the end of the senior students seventh semester. This award is based on a cumulative weighted grade point average. Students designated as one of these will speak at graduation on approved topics.

District Grading Scale

A+ = 100-98	B+ = 89-88	C+ = 79-78	D+ = 69-68	F = 59 and Below
A = 97-92	B = 87-82	C = 77-72	D = 67-62	
A- = 91-90	B- = 81-80	C- = 71-70	D- = 61-60	

Grade Point Average and Class Rank

Class rank is determined by cumulative grade point average. The following grades are equal to the following points:

A+ 4.0	B+ 3.3333	C+ 2.3333	D+ 1.3333	F 0.0
A 4.0	B 3.0	C 2.0	D 1.0	
A- 3.6667	B- 2.6667	C- 1.6667	D- 0.6667	

Weighted courses are given the following points:

A+ 5.0	B+ 4.3333	C+ 3.3333	D+ 2.3333	F 0.0
A 5.0	B 4.0	C 3.0	D 2.0	
A- 4.6667	B- 3.6667	C- 2.6667	D- 1.6667	

Weighted Courses

AP Literature and Comp
 AP Language and Comp
 AP Calculus - AB
 AP Biology
 AP Chemistry
 AP Human Geography
 AP U.S. History
 AP U.S. Government & Politics
 AP World History **
 Algebra II Honors
 AP Statistics**
 Biology Honors
 AP Music Theory

Band Honors
 Chemistry Honors
 English I Honors
 English II Honors
 Geometry Honors
 Independent Music Honors
 Mixed Chorus Honors
 Physics Honors
 Pre-Calculus
 Spanish IV Honors
 AP Spanish Language**
 Studio Honors

Honors Diploma

Students wishing to earn an honors diploma must do the following:

1. Earn 32 credits (or maximum number of credits possible if a transfer student)
2. Have a cumulative weighted grade point average of at least 3.25 with no grade lower than a C+ in any class
3. Score at least a 21 on the ACT examination
4. Students must attend their entire junior and senior year to be eligible

Graduation Requirements

<u>Subject Area:</u>	<u>Credit Requirement:</u>
English	4.00 (4 years)
Math	3.00 (3 years)
Science	3.00 (3 years)
Social Science	3.50 (3.5 years)*
Career and Technical Education	1.50
<i>Consumer Economics (.5)</i>	
<i>Tech Apps (1.0)</i>	
Physical Education	4.50
<i>Physical Education (3.5)</i>	
<i>Drivers Education (.5)</i>	
<i>Health (.5)</i>	
Fine Arts / Foreign Language	2.00 (2 years)
Electives***	7.00
TOTAL:	29.00 credits

* For the class of 2018 only. Graduating classes of 2017 & 2015 will only need 3 credits in Social Science.

*** Transfer students will have the number of electives reduced depending on number of possible transfer credits from previous school.

Transfer Credits

The following course grades will not count towards student GPA: WCC summer school for high school credit, summer Drivers Education course, correspondence courses, FLEX or PACE courses. The counselor and principal will apply credit earned in these courses towards graduation requirements provided the courses were pre-approved. Students will be allowed to transfer a total of 2 credits from correspondence classes or summer high school credit classes and 4 credits from PACE towards graduation requirements provided an official transcript indicating the grade is submitted to the guidance office. This does not include credits transferred in from other accredited high schools. College level courses at 100 or above taken at Waubesa Community College will count as .5 credit providing the class is at least 3 semester credit hours.

Each student should check with the counselor annually to make sure that he/she is making satisfactory progress toward meeting graduation requirements.

Class Status Credit Hours

Sophomore = 6.00

Junior = 13.00

Senior = 20.00

Early Graduation

A student may apply to graduate early by contacting Student Services and complete an application. Applicants must:

1. Maintain a cumulative 3.0 weighted GPA for the entire high school career
2. Meet all academic course requirements
3. Complete application as follows:
 - a. Students who wish to graduate at the end of their junior year must apply before the end of the first semester of their junior year.
 - b. Students who wish to graduate at the end of the first semester of their senior year (mid-term) must apply for early graduation no later than September 15 of their senior year.

Transfer Requirements

A student who **completes the required registration process** and wishes to enroll 0-20 days prior to semester/final exams and is:

- under 17 and/or has special needs will NOT receive credit for classes unless the previous institution issues credit
- over 17 and/or has no designated special needs MAY BE DENIED ENROLLMENT until the first day of the next semester

A student who is **unable to document attendance in another school for 10 or more days prior to registration/enrollment at Plano High School** and is:

- under 17 and/or has special needs may enroll, but MAY NOT receive credit
- over 17 and/or has no designated special needs MAY BE DENIED ENROLLMENT

Request for Transcripts

Students under the age of 18 must have parent signature on the transcript release form found in Student Services or Main Office. Students 18 or over may release the transcript by using their own signature. Transcripts will not be released if a signed form is not on file. Records may be sent to another high school without parent or student permission; however, special education files must have parental consent to be released. Parents and students are able to request a copy for personal review. Transcripts must be official and certified with the school seal to be sent to colleges, places of employment, or other use. Please allow **TWO** business days for transcript requests to be completed.

Extra-Curricular Eligibility

In order to be eligible to participate in the extra-curricular programs at Plano High School, students must not have attained the five-point limit the previous semester. In addition, a student must not attain five points on a weekly basis. It is understood that the student will have earned a cumulative number of credits during his/her time at Plano High School that will enable him/her to graduate on time with his/her class. Points will be assigned as follows based on weekly grades and the final semester grade:

F \pm = 2 points and D \pm = 1 point

Extra-Curricular Eligibility Continued

The school will mandate that any athlete that is receiving 4 points or more will attend Mandatory Athletic Study Hall (M.A.S.H.). This study hall will occur every Wednesday and Thursday during our sports seasons. If an athlete does not attend this study hall, then they are not allowed to practice and could face a suspension.

The student/athlete must meet the following number of credits in order to remain eligible:

By the beginning of:	Student must have accumulated:
2 nd semester senior year	24 credits
1 st semester senior year	20 credits
2 nd semester junior year	15 credits
1 st semester junior year	11 credits
2 nd semester sophomore year	6 credits

NOTE: Prior to 2nd semester sophomore year, students are required to earn 3 credits (pass 6 classes) each semester in order to remain eligible.

A student may also be ineligible due to unpaid fees.

If an athlete is ineligible for a total of three weeks in a sport season, the athlete will be dismissed from the team by the athletic director.

See the Athletic Handbook for more information.

Extra Curricular Opportunities

Baseball	Volleyball
Boys & Girls Basketball	Football
Softball	Wrestling
Boys & Girls Track & Field	Boys & Girls Golf
Cheerleading	Boys & Girls Soccer
Girls Softball	
Boys & Girls Cross Country	

Activities and Clubs

Art Club . Enables students to experience the luxury of a larger block of time to work on their artwork or on group projects. Anyone can join Art Club. Those with no present art expertise are encouraged to investigate some of the neat things that can be done in the Art Department.

Chem. Club – Allows students to discover careers and educational opportunities through Chemistry and the various sciences.

Chess Club- Allows students to learn the mechanics of chess while having fun. Throughout the season there are various meets against other schools in which we participate.

Class Officers . Expected to participate in all class activities and provide positive leadership. These activities include homecoming, fund raising, and class Olympics. In addition, at the junior level, officers will be responsible for helping with concession stands and prom. Senior officers have to make decisions about graduation and related senior activities. Officers will be expected to attend committee meetings.

Future Educators of America (FEA) . Anyone interested in teaching or coaching as a career should join. Focus is not only on learning to be teachers but show appreciation to staff and work with district staff with students.

Improv Crew . Improv Crew is open to any student interested in improvisational theatre and comedy. No experience is necessary. Everyone is welcome and you can join in at any point during the year.

International Thespian Society . Troupe #1535 . students who devote considerable time and effort to the PHS Theatre program will be invited to be members of the International Thespian Society, the world's largest honor society for theatre students. The designation %thespian+includes student members who excel in technical and production fields as well as performance in their high school theatre.

Madrigals . PHS presents an annual Madrigal dinner. Our performance includes student participation as singers, actors, instrumentalists and behind-the-scenes help. Our Madrigal dinner is held in December. Students are selected for participation by audition or by the director.

Modern Media . This club works to create live and archived webcasts for school events and athletic activities.

National Honor Society . NHS is based on teacher recommendations for sophomores, juniors, and seniors during the spring of the school year. Students are considered for the society if they have a minimum of a 3.25 GPA. Students are then rated by the staff on the basis of service, leadership and character. NHS spends many hours assisting with various school and community service projects.

PHS Theatre . Students interested in working on plays or musicals should become involved with PHS Theatre. Auditions are held each semester for the Fall and Spring plays, and students may apply for technical crew positions if they are interested in behind-the-scenes work.

Scholastic Bowl . Scholastic bowl is an academic competition in which students answer questions taken from the following areas: science, math, social studies, literature, fine arts, language arts, and miscellaneous or vocational education.

Snowball . Kendall County Operation Snowball is a 3-day retreat held twice each year. Each experience is planned by students from Plano, Oswego, Yorkville, and Newark. The emphasis is on peer leadership and the prevention of common problems. The philosophy of snowball is %together we can make a positive difference.+ All students are encouraged to attend, to be part of the planning group, and finally to be a member of the Snowball staff.

Student Council . Student Council representatives are selected on the basis of application, teacher recommendation and class elections. The group organizes all homecoming activities, school blood drives, and other activities and fund-raisers which would assist in improving the overall school climate.

Talent Show . Come out to demonstrate your talents and skills! The Talent Show takes place in the spring semester after the Spring play. Anyone with a talent is welcome to audition to be in the Talent Show . we will hold one rehearsal and one performance.

Fellowship of Christian Athletes - Fellowship of Christian Athletes is a student led group that meets monthly to play games, listen to guest speakers, and discuss faith through fellowship. It is open to all students.

Physical Examination Requirement

Notice to Parents and 8th Grade Students

The Illinois School Code requires all ninth grade students to have a current physical examination dated within one year of entry recorded on the approved State of Illinois Department of Human Services Certificate of Child Health Examination form completed in its entirety. The physical must be signed by a physician, advanced nurse practitioner or physician assistant before it is accepted. In addition, a complete record of immunization dates your child received for an A cellular Tdap, polio, measles, mumps, rubella, varicella and hepatitis B are required. The immunization record must be signed by a health care provider who gave or can verify the immunization dates.

Sports Physicals

Physicals are required for students engaged in sports. The IHSA sports physical, which satisfies the requirement for participating in sports at a high school level, is effective for 365 calendar days. The state mandated physical will satisfy this requirement provided it covers the entire academic school year. **Physicals documented on IHSA forms will not satisfy entrance into 9th grade.**

College Credit Articulation Agreements

Waubensee Community College grants college credit when learning experiences at the high school level duplicate those at the college level. Articulated credit enables students to receive advanced course placement, to save time and money, and avoid duplication of curriculum already learned in high school. Students must earn an **A** or **B** in the high school class and apply for credit within two years of graduation. Following is a list of courses at Plano High School for which articulation credit can be earned. See your career/technical instructor or counselor for the College Credit Articulation Forms. For more information call the VALEES office at (630) 466-2474 or visit www.VALEES.org.

PHS Courses

Accounting II
Early Child Occupations and Advanced Early Childhood Occupations
Technology Applications I and Technology Applications II
** More courses may be available in January.

Indian Valley Vocational Center Classes

Auto Body Repair I and II	Early Childhood Development I & II	Health Occupations- CNA
Automotive Mechanics II	Fire Science I & II	Law Enforcement I
Building Trades II	Graphic Communications I & II	Welding and Fabrication I & II
Computer Technology I	Health Occupations-Exploring	
Drafting and Design I & II	Medical Careers	

The process for awarding credit includes:

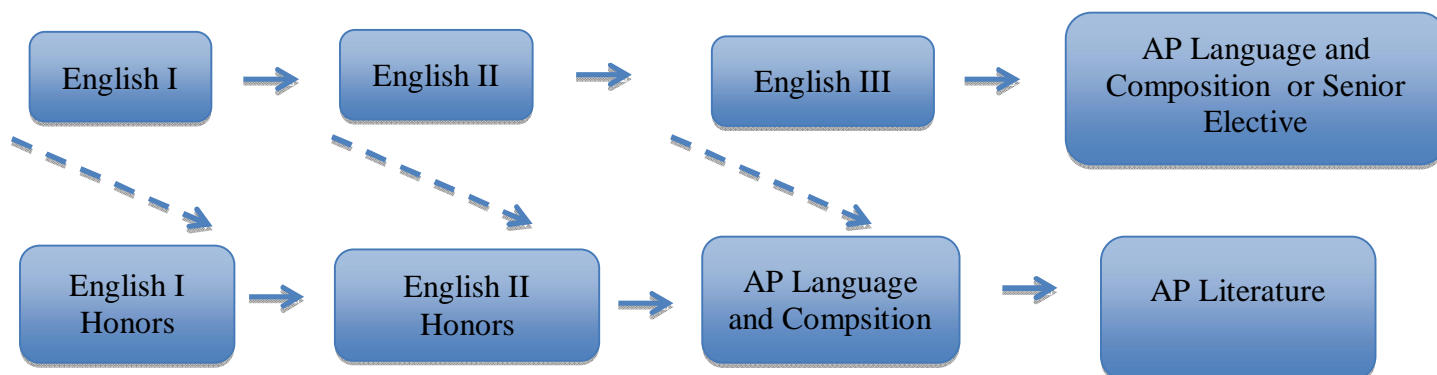
- 1) Earn an **A** or **B** in the specified high school course(s).
- 2) Apply to WCC for articulated credit within two years of the date of high school graduation.

Indian Valley Vocational Center (IVVC) Requirements

A limited number of students are allowed to attend IVVC from Plano High School. Students interested in participating in IVVC are prioritized by the following criteria. Space is limited.

#1 Senior entering the second year of a two-year program	<ul style="list-style-type: none"> a) Successfully completed first year same program at IVVC b) Returned all necessary paperwork in a timely manner c) Not missed more than 12 days junior year (exception: major illness) d) Earned credits for graduation at the end of the year e) Cannot be an early graduate
#2 Senior entering a one-year program	<ul style="list-style-type: none"> a) Passed the first year of a two-year program b) Not missed more than 12 days at IVVC and PHS junior year (exception: major illness) c) Earned credits for graduation at the end of the year d) Cannot be an early graduate
#3 Junior entering the first year of a two-year program	<ul style="list-style-type: none"> a) Successfully completed related classes at PHS b) Not missed more than 12 days sophomore year (exception: major illness) c) Earned credits to be a junior
#4 Senior entering the first year of a two-year program	<ul style="list-style-type: none"> b) Successfully completed related classes at PHS c) Not missed more than 12 days junior year (exception: major illness) d) Earned credits for graduation at end of year e) Cannot be an early graduate
#5 Senior entering for the second year but changing programs	<ul style="list-style-type: none"> a) Successfully completed junior year at IVVC b) Not missed more than 12 days at IVVC and PHS junior year (exception: major illness) c) Earned enough credits to graduate at end of the year d) Cannot be an early graduate

English Department Flow Chart



Senior Electives:

Reading, Writing and Speaking for the Modern World
 Modern Journalism
 Global Literature

English Courses

English I (01001A000)

2 Semesters = 1 credit

Placement determined by teacher

Grade 9

This course includes elements of literature, grammar, composition, and vocabulary. Course work will include short and long-term reading assignments, book analysis/critiques, and a research project.

English I Honors ((01001A000)

2 Semesters = 1 credit

Placement determined by teacher and MAP Testing Scores

Grade 9

This is a **weighted** literature-based course. It develops students' grammar, composition, and vocabulary skills through writing and reading. Students will master the elements of literature along with varied genres of writing. Oral discussions, presentations, and independent reading projects will be included. A major research project is required.

Reading, Writing and Comprehension Skill Building Lab (01009A000)

1 Semester = 0.50 **elective** credit, 2 Semesters = 1.0 **elective** credit

Concurrent enrollment in an English class is required.

Grade 9, 10, 11 and 12

This class will be run concurrently with English I, II or III, based on teacher recommendation. Students will continue to work on acquiring and improving their reading, writing and comprehension skills, using research based intervention programs with regular progress monitoring. This class will count as an elective credit, either 0.5 or 1.0 credit, based on teacher, Guidance Counselor or Case Manager/Special Education team recommendations.

English Courses

English II (01002A000)

2 Semesters = 1 credit

Grade 10

This course includes elements of literature, grammar, composition, and vocabulary. The student will continue to improve reading and writing skills through reading a variety of short stories, poems, plays, novels and through writing a variety of essays and a short story. The students will also acquire and improve critical thinking skills throughout this course. The student's grade is based on course work including short and long-term reading assignments, book analysis/critiques, writings, tests, and homework.

English II Honors (01002A000)

2 Semesters = 1 credit

Prerequisite: English I Honors

Grade 10

This **weighted** course emphasizes advanced critical thinking skills in the analysis of literature and the development of the writer. Various categories of literary works will be studied. Oral communication and public speaking will be included. Persuasive research writing will be developed. *Summer Reading Assignment Required.*

English III (01003A000)

2 Semesters = 1 credit

Grade 11

This course presents advanced work in composition and reading. Students practice both reading and writing as a process. The course provides an overview of American literature from Native American literature to American Realism, allowing students to examine samples of traditional, classic, and multi-ethnic selections that represent this country's cultural diversity. Selections include poetry, drama, fiction, literary nonfiction, and informational texts. As students read, they are asked to focus on comprehension, analysis, and evaluation. As they write for varied audiences and purposes, students work to develop their ideas and apply effective voice, word choice, fluency, logical organization of material, and appropriate conventions of language. In addition to process pieces, students produce in-class, timed writings. The skills of listening/speaking and the enhancement of media literacy are addressed in the fabric of the course.

Modern Journalism (11101A000)

2 Semesters = 1 credit

Grade 12

This class is for students who enjoy all aspects of writing and wish to improve their writing skills and abilities. The course will incorporate many different types of writing, which includes but is not limited to: social media posting, website postings, broadcast journalism, and newspaper articles. While still including reading, the course will develop those skills, which are necessary for the writing process. These skills will focus heavily on creative development, use of literary elements, writing structure, and revision. Students who take this course will be required to submit work for publication, and they will support the Modern Media Club.

Reading, Writing and Speaking for College and the Modern World (01102A000)

2 Semesters = 1 credit

Grade 12

This senior elective is designed to prepare students who intend to go to college but may not have previously taken honors/AP courses. This is an integrated language arts course that emphasizes reading and writing in various categories of literary works. Public speaking is stressed in this course. Analytical reading, writing for audience/purpose, and public speaking will be required of students in this course in preparation for college courses. Students considering enrolling in trade school, junior college, or four-year university are strongly encouraged to take this course.

English Courses

AP English Language and Composition (01005A000)

2 Semesters = 1 credit

Grade 11 or 12

Students in this **weighted** Advanced Placement course will read a variety of prose written for different contexts and purposes. Reading will focus on the writer's purpose, audience, expectations, and the use of genres and language in terms of creating effective writing. AP Language students will write in formal and informal contexts through journals, collaborative writing, in-class responses, and essays. Students should be prepared to learn about organization, advanced vocabulary, sentence structure, details, tone, voice, diction and syntax. AP Language students will write about subjects from many disciplines, read primary and secondary sources, synthesize materials and cite sources. Students who enroll in this class are expected to take the AP Language and Composition Exam in May in order to possibly earn college credit.

Summer Reading Requirements

AP English Literature and Composition (01006A000)

2 Semesters = 1 credit

Grade 12

In this challenging **weighted** class, students will carefully read and critically analyze imaginative literature. By closely reading assigned texts, students will deepen their understanding of the ways writers use language. Reading and writing will focus on analyzing a work's structure, style, and themes as well as such elements as the use of figurative language, imagery, symbolism, and tone. Students are expected to take the AP English test in May to possibly earn college credit.

Summer Reading Requirements.

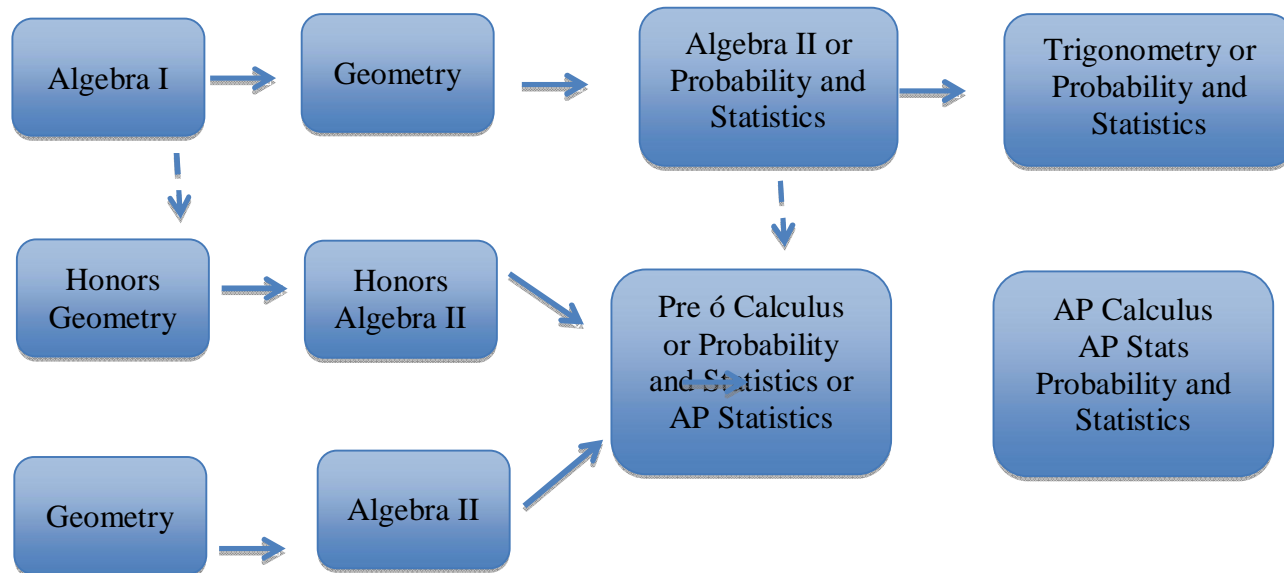
Global Literature (01058A000)

2 Semesters = 1 credit

Grade 12

This course is for students who wish to gain cultural awareness such as ethical and moral issues, the development of human attitudes toward religion, social relationships, and political attitudes through literature from around the world. The students are required to read a variety of short stories, plays, poems, and novels. Areas of study include, but are not limited to: Ancient Middle Eastern literature, Ancient Greek and Roman literature, literature of India, China, Japan, Africa, European literature from the Middle Ages, Latin American Literature, and Native American literature. The student's grade is based on course work including short and long-term reading assignments, a research project, writings, tests and homework.

Math Department Flow Chart



Math Courses

Scientific calculators are required for all courses – (The T1-30 is recommended)

Algebra I (02052A000)

2 Semesters = 1 credit

Grade 9-11

This beginning course in Algebra is designed to take students well versed in basic math and introduce them to such concepts as real number operations, solving & graphing linear and quadratic equations, rational expressions, polynomials, powers and roots, and practical applications of all of the above. Students successfully completing this course will be ready for Geometry or Algebra II. Objectives are to develop good study habits, abstract thinking, and the ability to work problems in logical sequential order and become prepared for other math and science courses. *Required materials include a T1-30 calculator, a notebook, and pencils.*

Math Skills Lab

1 or 2 Semester(s) = 0.50 or 1.0 elective credit

Grade 9

This course is designed to provide additional support and practice for the Algebra I course. Hands-on and traditional activities, methods, and techniques will challenge students to apply concepts learned in the Algebra I course. This class must be taken in conjunction with Algebra I. Placement based on recommendation from teachers, guidance counselor, special education team or case manager.

Geometry (02071A000)

2 Semesters = 1 credit

Grade 9-12

Geometry covers the study and measurement of segments, lines, and shapes. It also involves the study of 2 and 3 dimensional figures, calculating segment lengths, angle measures, as well as areas and volumes. Emphasis is placed on real-life problem solving, as well as developing a logical approach to problem solving. This class will prepare the student to take trigonometry and the ACT/PSAE exams. *Required materials include a T1-30 calculator, a compass, a protractor, notebook, pencils, and folder.*

Math Courses

Geometry Honors (02072A000)

2 Semesters = 1 credit

Grade 9

This is a **weighted** course for freshmen only. It will explore the same topics and curriculum as the standard Geometry course, but will place further emphasis on problem-solving and test-taking strategies. This course will ultimately lead to a four-year math cycle that will culminate in the student's ability to take an Advanced Placement Calculus course. *Required materials include a TI-30 calculator, a notebook, and pencils.*

Algebra II (02056A000)

2 Semesters = 1 credit

Grade 10-12

This class reviews many of the topics of Algebra I, such as solving equations, graphing, factoring, and problem solving however, this class goes much further, exploring systems of equations, exponents, graphing quadratic equations, and real world problem-solving. Logarithms, complex numbers, and matrices will be explored as a means of solving problems involving such concepts as population growth, and compound interest. We will complete a course similar to a college level Algebra course. This class will significantly enhance a student's chance to score well on both the ACT and PSAT exams. *Required materials are a notebook, folder, and a scientific calculator.*

Algebra II Honors (02056A000)

2 Semesters = 1 credit

Grade 10

This is a weighted course for sophomores only. It will explore the same topics and curriculum as the standard Algebra II course, but will place further emphasis on problem-solving and test-taking strategies. This course will ultimately lead to a four-year math cycle that will culminate in the student's ability to take an Advanced Placement Calculus course. *Required materials are a notebook, folder, and a scientific calculator.*

Trigonometry & Analytic Geometry (02103A000)

2 Semesters = 1 credit

Grade 11-12

This course is designed to provide topics and concepts, which grow out of the Algebra II course. It includes elementary functions, with polynomial functions and circular functions given special emphasis. It is designed to give students a strong math background for a rigorous calculus class. *Required materials include a calculator with trigonometric functions (there will be various sections in which the student is not allowed to use a calculator).*

Pre-Calculus (02110A000)

2 Semesters = 1 credit

Grade 11

Pre-calculus is a weighted course with an introduction trigonometry. In-depth techniques and applications are used to prepare students for more advanced course work. Technology is used as a facilitating tool to integrate and explore mathematical concepts. A scientific calculator is required (TI 83+ or a TI 84+ graphing calculator is recommended).

AP Calculus – AB (02124A000)

2 Semesters = 1 credit

Grade 12

This **weighted course** is a standard first-semester college calculus course. The students will learn the techniques, concepts and applications of limits, differentiation and integration. These concepts will be studied graphically, analytically, numerically and verbally. Students are expected to take the Advanced Placement exam in the spring. A graphing calculator is required.

Math Courses

Probability and Statistics (02201A000)

2 Semesters = 1 credit

Grade 11, 12

This class is being offered to Juniors and Seniors who have successfully completed their high school math requirement of three credits but wish to continue their mathematics education. The course will include an introduction to the study of probability, problem solving through the use of statistical analysis, and gathering and interpreting data. Topics covered include data classification, measures of central tendency, probability distributions, confidence intervals, and hypothesis testing. The students will be expected to gather, explore, and analyze data so that they may draw conclusions based on their analysis.

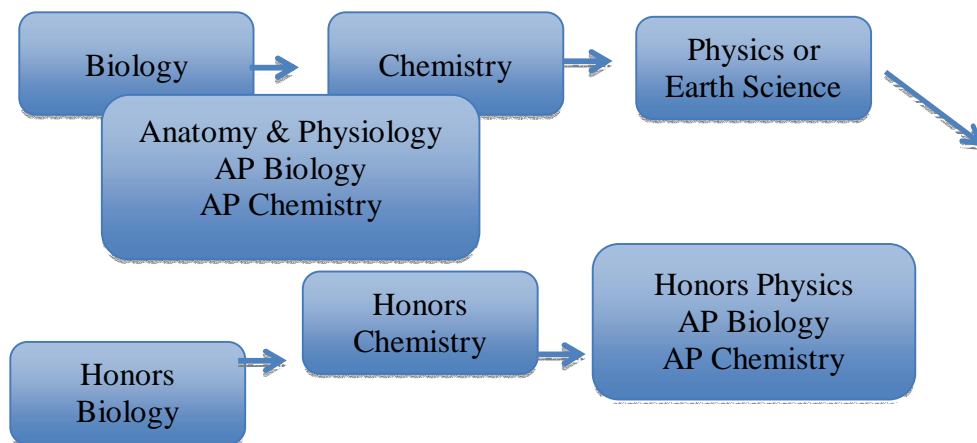
AP Statistics

2 semesters = 1 credit

Grades 11-12

This full year course will introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data--describing patterns and departures from patterns; Sampling and Experimentation--planning and conducting a study; Anticipating Patterns--exploring random phenomena using probability and simulation; and Statistical Inference--estimating population parameters and testing hypotheses. Students who successfully complete this course and the AP exam may receive college credit or advanced placement in statistics at the college level. Prerequisite: Algebra II.

Science Department Flow Chart



As Juniors or Seniors, students may take classes concurrently during the school year.

Science Courses

Biology (03051A000)

2 Semesters = 1 credit

Grade 10-12

This is an introductory course in the biological sciences. Topics include scientific method, cells, molecular organization of life, cellular division, genetics, DNA replication, protein synthesis, classification of organisms and ecology.

Biology Honors (03052A000)

2 Semesters = 1 credit

Grade 9-10

Biology Honors is a **weighted** class. This course is more in-depth and is taught at faster pace. This is an introductory course in the biological sciences. Topics include scientific method, cells, molecular organization of life, cellular division, genetics, DNA replication, protein synthesis, classification of organisms and ecology.

AP Biology (03056A000)

2 Semesters = 1 credit

Grades 12

This weighted course parallels a college freshman Biology course and depending on the student's score on the College Board AP Exam at the end of the year, could count as college credit (check with the college you plan to attend). This course is fast-paced, challenging, and intended for college-bound students. Emphasis will be on the four big ideas found in the AP Biology framework created by the College Board.

AP Chemistry (03106A000)

2 Semesters = 1 credit

This **weighted** course parallels a college freshman Chemistry course and depending on the student's score on the College Board AP Exam at the end of the year, could count as college credit (check with the college you plan to attend). This course is fast-paced, challenging, and intended for college-bound students. Emphasis in chemical concepts including scientific method and measurement, basic chemical principles, language of chemistry, knowledge of chemical reactions and change of state, as well as mathematical concepts that apply, throughout the course.

Science Courses

Anatomy & Physiology (03054A000)

2 Semesters = 1 credit

Grade 11-12

All major body systems will be studied in detail. Dissections and other labs are a large part of this course. This course is an excellent foundation for college-level anatomy coursework. This course is strongly recommended for students considering health and/or life science occupations including physical and occupational therapy, sports medicine, physical trainers, nursing, coaching, etc.

Chemistry (03101A000)

2 Semesters = 1 credit

Grade 10-12

Chemistry is an introductory course in chemical concepts including scientific method and measurement, basic chemical principles, language of chemistry, knowledge of chemical reactions and change of state, as well as mathematical concepts that apply throughout the course. This course will provide a foundation for college chemistry coursework and other related courses. *Students need a scientific calculator.*

Chemistry Honors (03102A000)

2 Semesters = 1 credit

Grade 10-12

Chemistry Honors is a **weighted** class designed for students who can handle a more in-depth approach and faster pace of instruction. Chemistry Honors is an introductory course in chemical concepts including scientific method and measurement, basic chemical principles, language of chemistry, knowledge of chemical reactions and change of state, as well as mathematical concepts that apply throughout the course. This course will provide a foundation for college chemistry coursework and other related courses. *Students need a scientific calculator.*

Earth Science (03001A000)

2 Semesters = 1.0 credits

Grade 11-12

Earth Science is a hands-on laboratory science course in which students collect and interpret real-time data to study major earth systems. Specific topics include geology, plate tectonics, earth history, astronomy, meteorology, and oceanography. Problem solving and critical thinking are utilized to gain an understanding of events happening in the real world. This laboratory-oriented course prepares students for further coursework in chemistry, physics, and earth science.

Physics (03151A000)

2 Semesters = 1 credit

Grade 11-12

Physics is a class that focuses on the study of matter and energy through hands-on laboratory activities and lecture. This course offers an overview of scientific method, mechanics, heat, sound, light, electricity and magnetism. Trigonometry principles will be used in this class. *Students need a scientific calculator*

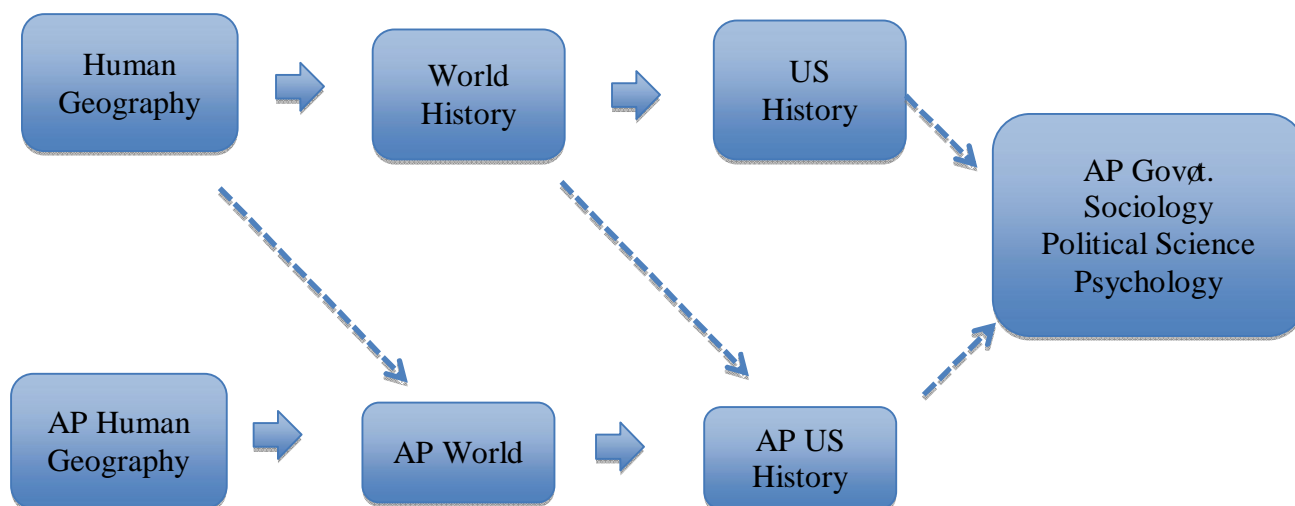
Physics Honors (03151A000)

2 Semesters = 1 credit

Grade 11-12

Physics Honors is a **weighted** class designed for students who can handle a more in-depth approach and faster pace of instruction. Physics is a class that focuses on the study of matter and energy through hands-on laboratory activities and lecture. This course offers an overview of scientific method, mechanics, heat, sound, light, electricity and magnetism. Trigonometry principles will be used in this class. *Students need a scientific calculator*

Social Sciences Flow Chart



Social Sciences Courses

Human Geography

2 semesters = 1.0 credit

Grade 9

Human Geography is a course to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and application.

AP Human Geography (04004A000)

2 Semesters = 1.0 credit

Grade 9

This **weighted** course parallels a college freshman Human Geography course and depending on the student's score on the College Board AP Exam at the end of the year, could count as college credit (check with the college you plan to attend). In this course students will study the world's physical features, how they blend with social systems, and affect economics, politics, and human interaction. Students will also use map/charts to analyze historical documents. Students will learn the countries of the world and how countries interact with each other. Students will be expected to take the Advanced Placement Examination in the spring.

World History (04049A000)

2 Semester = 1.0 credit

Grade 10

This class begins with the origins of human life before written history and proceeds to the fall of the Roman Empire. Important topics will include early civilizations, first empires, influence of Greece and Rome in our society, and the spread of Christianity. Students will be introduced to map/chart reading, political systems, and governments. This class focuses on the period from the Middle Ages until recent world history, including the Cold War and terrorism. We will also discuss the early inhabitants at the Americas, Exploration, French and Russian Revolutions, Industrial Revolution, Imperialism, and the World Wars. Students will be introduced to map/chart reading and political systems and governments.

Social Sciences Courses

AP World History (04057A000)**

2 semesters = 1.0 credit

Grade 10

This **weighted** course parallels a college freshman World History course and depending on the student's score on the College Board AP Exam at the end of the year, could count as college credit (check with the college you plan to attend).

AP World History is structured around the investigation of key course themes and concepts in six different chronological periods, from 8000 B.C.E. to the present, emphasizing the development of historical thinking skills.

U.S. History (04101A000)

2 Semesters = 1 credit

Grade 11

This is a year-long course covering the colonization through World War II. Students will be required to complete numerous activities including tests and group projects. Students will be required to write a detailed research paper. ***This course is required to graduate.***

AP U.S. History (04104A000)

2 Semesters = 1 credit

Grade 11

This **weighted** course parallels a college freshman U.S. History course and depending on the student's score on the College Board AP Exam at the end of the year, could count as college credit (check with the college you plan to attend).

This class helps students understand major themes that have made the U.S. a world leader today. This class will investigate the social aspects of various time periods, developing an understanding of how these time periods were a reflection of the past and how they affected the immediate future. Students will be expected to take the Advanced Placement Examination in the spring. ***This course fulfills a graduation requirement.***

U.S. Government (04161A000)

1 Semester = 0.50 credit

Grade 12

In this class, we will discuss our American government and all its components. Topics such as the three branches of government, origins and early forms of U.S. government, landmark Supreme Court rulings, and current political events will be covered. The student will also have to take and pass the U.S. Constitution and Illinois Constitution exams in order to graduate. **Five hours of community service are required for successful completion of this class.**

This course is required to graduate.

AP Government and Politics – U.S. (04157A000)

2 Semester = 1.0 credit

Grade 12

This **weighted** course parallels a college freshman U.S. Government and Politics course and depending on the student's score on the College Board AP Exam at the end of the year, could count as college credit (check with the college you plan to attend). In this class, we will discuss our American government and all its components. Topics such as the three branches of government, origins and early forms of U.S. government, landmark Supreme Court rulings, and current political events will be covered. The student will also have to take and pass the U.S. Constitution and Illinois Constitution exams in order to graduate. Students will be expected to take the Advanced Placement Examination in the spring. **Five hours of community service are required for successful completion of this class. This course fulfills a graduation requirement.**

Behavioral Psychology (04255A000)

1 Semester = 0.50 credit

Grade 11-12

This course will include topics on careers in psychology, brain and behavior, sensation, motivation, emotions, consciousness versus sleep, learning and learning styles, intelligence and creativity. Students will learn through participation in notes, labs, and journal topics. This course will provide a foundation for college psychology coursework.

Social Studies Courses

Personal Psychology (04255A000)

1 Semester = 0.50 credit

Grade 11-12

This course will explore human development from infant through the elderly adult, personality theories and styles, conflict, stress, mental disorders, gender, and socio-cultural influences. Students will learn through participation in notes, labs, and journal topics. This course will provide a foundation for college psychology coursework

Sociology (04258A000)

1 Semester = 0.50 credit

Grade 11-12

Sociology is the study of human relationships. In this course we will discuss multiple topics including racism, discrimination, family matters, violence in America, disabilities, and religion. Comprehension of material is measured through discussion, cooperative learning projects, and hands-on activities.

Physical Education - Health - Driver Education

Introduction to Physical Education (08001A000)

2 Semesters = 1.0 credit

Grade 9

This course introduces concepts for personal development in health-related fitness and physical skills. These include cardiovascular exercise, body composition, strength, endurance, and flexibility, which will be the basis for the four-year physical education program. This course focuses on introducing the foundation for health education, rules of the games and activities, basic health concepts, and basic resistant training techniques. Student must be physically cleared for physical activity.

Physical Education (08001A000)

1 or 2 Semesters = 0.5 or 1 credit

Grade 10-12

Physical education is required by the State of Illinois. It is the goal of the Physical Education Department that our students gain a knowledge and appreciation of the worth of physical fitness that will contribute to an individual's quality of life. By offering a variety of team and individual recreational sports activities, we hope to encourage carryover into participation as an adult. Activities are designed to allow group interaction to enhance the social and emotional development of the students. *Requirements include participation and PE uniform.*

Performance Training (08009A000)

1 or 2 Semesters = 0.5 or 1 credit

Grade 10-12

This course is for the serious athlete or fitness enthusiast. Each student can expect a high intensity workout, focusing on strength, speed and agility. Each student will have the opportunity to expand their level of fitness knowledge as well as physical abilities

Fitness Physical Education (08005A000)

1 or 2 Semesters = 0.5 or 1 credit

Grade 10-12

This is an alternate choice of PE for fitness driven individuals. This course is focused on the principles of fitness (Cardio-respiratory, flexibility, strength, endurance and body composition). Student will progress in all forms of fitness. Attaining individual fitness goals throughout the semester will be emphasized. This course will focus on alternative forms of fitness including but not limited to yoga, aerobics, muscle toning as well as other current fitness trends.

Collaborative PE (08007A000)

2 Semesters = 1 credit

Prerequisite: Teacher Recommendation

Grade 10-12

A physical education program in which teaching methods are designed to meet the unique needs of any individual student. It is a cooperative program in which emphasis is placed on increasing the student's skill movement, increasing their current fitness levels, and encouraging and promoting a more active lifestyle. This course is designed for a small group atmosphere. The smaller class sizes will enable the instructor to make appropriate individual adaptations. Students will also work closely with their peers. A cooperative/leadership program is established for an increased learning experience for all students.

Physical Education - Health - Driver Education

Health (08051A000)

1 Semester = 0.50 credit

Grade 10

The physical, social, mental/emotional health of human beings is studied in this one semester required course. The structure and systems of the body, infectious and lifestyle diseases, mental disorders, aspects of fitness, hazards of substance abuse, nutrition information, and decision-making are among the topics covered.

This course is required to graduate.

Driver Education (08152A000)

1 Semester = 0.50 credit

Prerequisite: Passing grade in 8 courses during previous 2 semesters including 2 semesters of PE

Grade 10

The first phase of this course is to provide educational experience to give students the skills, knowledge, and proper attitudes necessary for the efficient and safe operation of the motor vehicle. Phase two gives each student behind-the-wheel driving experience in a dual control automobile. Students receive a maximum of 6 hours driving practice.

Attendance is mandatory. Excessive absences may result in a student being dropped from the class, and moved into a study hall. This course must be taken in conjunction with a 0.5 PE course. This course is a graduation requirement.

Fee: A fee will be charged for Driver's Ed and must be paid before students begin the class.

<table border="1"><tr><td>Fine Arts Art – Foreign Language – Music – Theater</td></tr></table>	Fine Arts Art – Foreign Language – Music – Theater
Fine Arts Art – Foreign Language – Music – Theater	

ART

Intro To Art (05154A000)*2 Semesters = 1 credit**Grade 9-12*

This class is intended for any student who has an interest in hands-on art and wants to explore a variety of art mediums and processes. Two and three-dimensional art experiences will include drawing, painting, art history, airbrushing, and sculpture. Individual artists will be studied independently, by each student. Students will be introduced to the Elements of Art, and will also cover the Principles of Art. This class is required for entry in many other art classes. *A spiral-bound sketchbook, kneaded eraser, and pencils are required.*

Art 2-D/Art II (05155A000)*2 Semesters = 1 credit**Grade 10-12*

This class introduces the student to mainly drawing and painting techniques and experiences. Drawings may include pencil, graphite, oil pastels, soft pastels and charcoal. Paintings may include oils, acrylics, tempera, airbrushing, or watercolors. Art history will also be included in this class. An in-school mural project will be a part of this class. *Spiral-bound sketchbook, kneaded eraser, and pencils are required.*

Advanced Art/Art III (05156A000)*2 Semesters = 1 credit**Grade 11-12*

This is an advanced class for those who want to improve their artistic skills and techniques as well as broaden their knowledge in the arts. Two and three-dimensional works will be created in this class. Drawing portions in this class will explore new mediums and techniques. Pencil, charcoal, markers, colored pencil, conte crayon, chalk pastels, oil pastels, and ink will be some of the media that will be used to create original drawings. Airbrushing will be reviewed in this class. Advanced painting projects are also a portion of this class. Etching will also be reviewed in this class..

Ceramics I (05159A000)*2 Semesters = 1 credit**Grade 10-12*

Both hand-building and throwing on the potter's wheel is introduced and developed. Decoration techniques including staining, under glazing and glazing are presented. Students will learn techniques to construct both functional and non-functional ceramic pieces. The student must provide a water bucket.

Ceramics II (05159A000)*2 Semesters = 1 credit**Grade 10-12*

The class involves the refinement and development of techniques learned in Ceramics I and the introduction to Raku work. Students may choose either throwing and hand-building techniques to complete the assignment given. A significant emphasis will be placed on ceramic decoration techniques. The use of porcelain will be introduced along with limited use of low fire glazes. Some out-of-class work will be required. *Required materials include an elephant ear sponge and water bucket.*

Ceramics III (Independent Study) (05159A000)*2 Semesters = 1 credit**Grade 11-12*

Ceramics III will present opportunities of study in the broad area of Ceramics. Each student will develop an independent plan for their work that will include new techniques. Glaze mixing and the use of specific clay bodies will be introduced. Production of high quality work is the emphasis of this class. Out-of-class work will be required.

Art - Continued

Crafts I – General Crafts (05165A000)

1 Semester = 0.50 credit

Grade 9-12

Crafts I introduces various craft areas such as wood, metal, fabric, plastic, leather, clay, and stained glass. It is a fun class for recreational art. Most projects can be completed in class.

Crafts II – Stained Glass (05165A000)

1 Semester = 0.50 credit

Grade 9-12

Crafts II is a one semester class studying and refining stained glass techniques. Projects may include mosaics, sun catchers, night-lights, boxes, and window designs. Some out-of-class work is required.

Jewelry (05166A000)

2 semesters = 1.0 credit

Grade 11-12

This class will introduce the creation of jewelry. Found objects, glass, clay, wood and metals will be used in the production of jewelry. Fabrication techniques will be introduced along with bead-making and chain-making. Some out-of-class work is required. A sketchbook is required for this class.

Sculpture I (05158A000)

1 Semester = 0.5 credit

Grade 10-12

Students will be introduced to 3-dimensional art. Sculptures will be made out of materials such as clay, paper, plaster, Styrofoam, wood, stone, and various found objects. Most of the work can be completed during class time. Famous sculptors will be studied in class. A sketchbook is required.

Sculpture II (05158A000)

1 Semester = 0.5 credit

Grade 10-12

Three-dimensional art is further studied in this course. The student will learn to braise, cast and incorporate more unusual means of producing sculptures. Famous sculptors will be studied in this class. A sketchbook is required in this class.

Studio Honors (05170A000)

1 Semester = 0.50 credit

Grade 11-12

This is a **weighted** course. Studio is a one-semester class, which involves independent study in an area chosen by the student and teacher. This class is recommended for the self-motivated student. A journal must be kept by the student recording use of time in and out of class. Creativity and drive is necessary for acceptance into this class. Student is expected to participate in art show. Students must work a minimum of 1 hour a week out of class for an above-average grade. Independent art history research is required. **This class may be repeated one time, equaling 1.0 credit.**

Studio (05170A000)

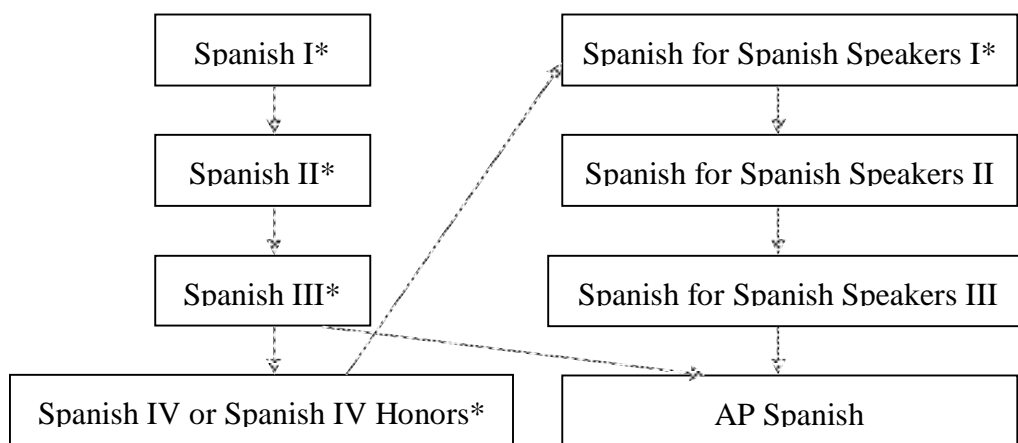
1 Semester = 0.50 credit

Grade 11-12

Studio is a one-semester class, which involves independent study in an area chosen by the student and teacher. This class is recommended for the self-motivated student. A journal must be kept by the student recording use of time in and out of class. Creativity and drive is necessary for acceptance into this class. Student is expected to participate in art show. Students must work a minimum of 1 hour a week out of class for an above-average grade. Independent art history research is required. **This class may be repeated.**

Foreign Language

PHS Foreign Language Flow Chart



* Native speakers may start at any level depending on placement test.

Spanish I (06101A000)

2 Semesters = 1 credit

Grade 9-12

This course is designed for the student with minimal competency or no previous exposure to Spanish. Basic vocabulary and grammatical concepts will be introduced and integrated for a basic competency of the four communication skills. Individual and group activities will provide the means for the students' interactions. Culture involving customs, geography, history and the people of Spanish-speaking countries will be explored. Students will be assessed in terms of written and oral proficiency related to individual/group activities, assignments, quizzes and tests.

Spanish II (06102A000)

2 Semesters = 1 credit

This is a continuation of Spanish I. The format and assessment are the same for Spanish II and focuses on more challenging skills and knowledge.

Spanish III (06103A000)

2 Semesters = 1 credit

This course is a continuation of Spanish II. Vocabulary and advance grammatical concepts will be introduced in order to increase the ability to communicate. Cultural topics and projects will also be introduced. Exposure to Spanish literary works will enable the student to read, understand, and speak utilizing previously learned vocabulary and grammar in context. Students will be assessed in terms of oral and written proficiency related to group participation, assignments, quizzes and tests.

Spanish IV (06104A000)

2 Semesters = 1 credit

This course is a continuation of Spanish III and is a college-level preparatory. Vocabulary and advanced grammatical concepts will be introduced in order to increase the ability to communicate. There will be a greater focus on cultural issues and literary works. Other aspects of the Spanish culture will be explored which includes music, dance, art, and theater. Students will be assessed in terms of oral and written proficiency, projects, assignments, tests and quizzes.

Spanish IV Honors (06104A000)

2 Semesters = 1 credit

In addition to the course description and expectations of Spanish IV, Spanish IV Honors students will be expected to complete the workbook %Spanish Verb Tenses+by Dorothy Richmond outside of class. Students will be allowed to consult the teacher outside of class time for any questions. Parts I, all units and Part II, Unit 1, will be expected for first semester and Part II, units 2-6 and Part III, all units, for second semester. Successful completion of this book will help prepare a student who is planning to study Spanish in college.

Spanish for Spanish Speakers (06106A000)

2 Semesters = 1 credit

Prerequisite: Achievement of an 70% or better on a placement test

This is a course completely in Spanish and designed for students who have a high functioning background in Spanish. It is equivalent to English I. This course concentrates on the written and linguistic aspect of the language. The course will include culture, history, art, drama, literature and other areas of interest. Successful completion of this course provides a student with the skills to accurately read and write Spanish.

Este curso está enseñado completamente en español y está diseñado para los estudiantes que tienen una historia en español. Este curso se concentra en los aspectos escritos y lingüísticos del idioma. El curso incluye cultura, historia, arte, teatro, literatura y otros aspectos de interés. La terminación exitosa de este curso provee un/una estudiante con las habilidades para leer y escribir español.

Spanish for Spanish Speakers II (06106A000)

2 Semesters = 1 credit

Prerequisite: Spanish for Spanish Speakers I

This is a course completely in Spanish and designed for students who have a high functioning background in Spanish. It is equivalent to English II. This course concentrates on the written and linguistic aspect of the language.

Spanish for Spanish Speakers III (06106A000)

2 Semesters = 1 credit

Prerequisite: Spanish for Spanish Speakers II

This is a course completely in Spanish and designed for students who have a high functioning background in Spanish. It is equivalent to English III. This course concentrates on the written and linguistic aspect of the language. This course would prepare a student for AP Spanish Language.

AP Spanish Language and Culture (06112A000)

2 Semesters = 1 credit

This is **weighted course** is designed to provide advanced high school students with a rich and rigorous opportunity to study the language and culture of the Spanish-speaking world and is equivalent to a college Spanish course. This course takes a holistic approach to language proficiency. The AP Spanish Language and Culture course strives to promote both fluency and accuracy in language use and not to overemphasize grammatical accuracy at the expense of communication. In order to best facilitate the study of language and culture, the course is taught in Spanish.

Music

Music Appreciation I (1900-Present) (05116A000)*1 Semester = 0.50 credit**Grade 9-12*

This class is open to all students. Students will learn the introductory basis of music theory, music history, and general music knowledge.

Music Appreciation II (1000-1900) (05116A000)*1 Semester = 0.50 credit**Grade 9-12*

This class is open to all students. Students will learn the introductory basis of music theory, music history, and general music knowledge.

Collaborative Choir/Music (05149A000)*2 Semesters = 1.0 credit**Grade 9-12*

This class provides music education in a setting where teaching methods are designed to meet the unique needs of any individual student. It is a cooperative program in which emphasis is placed on increasing the students' musical vocabulary, increasing their current level of musicality, developing rhythmic skills, singing in a group, and playing different instruments. This course is designed for a small group atmosphere. The smaller class sizes will enable the instructor to make appropriate individual adaptations. Students will also work closely with their peers. A cooperative/leadership program is established for an increased learning experience for all students.

Concert Band (05102A000)*2 Semesters = 1 credit**Grade 9-10*

Prerequisites: Middle school band or director approval. Students may not take only one semester of band unless given specific written permission by the band director. This includes scheduling issues. This class includes marching band, pep band, and concert band. Participation in concerts, contest, and athletic events is required. Optional activities offered with this class include IMEA, jazz band, madrigals, freshman/sophomore honor bands, and solo and ensemble contest.

Symphonic Band (05102A000)*2 Semesters = 1 credit**Grades 11-12*

Prerequisites: Concert Band or director approval

Students may not take only one semester of band unless given specific written permission by the band director. This includes scheduling issues. This class includes marching band, pep band, and concert band. Participation in concerts, contest, and athletic events is required. Optional activities offered with this class include the I8 Conference Honor Band, various college band festivals, Tri-M Music Honor Society, IMEA, jazz band, madrigals, freshman/sophomore honor bands, and solo and ensemble contest.

Honors Symphonic Band (05102A000)*2 Semesters = 1 credit**Grades 11-12*

Prerequisites: Students must have participated in high school band for least one year with a final grade of 80% or higher, consent of the instructor, and the completion of a mandatory audition. This class meets with the symphonic band class. This class may only be taken once. In addition to the requirements for Band, students in this **weighted class** will complete 2 additional projects with accompanying written portfolio each semester that may include but are not limited to the following activities: auditioning for the IMEA Senior Music Festival; participating in private lessons with a weekly journal of rehearsals, new techniques, and strategies; participating in a college music festival; attending 8 vocal/instrumental music performances at area high schools and writing a comparison paper; etc.

Music

Introduction to Choir (05110A000)

2 semesters = 1 credit

Grades 9-12

This choir is open to all students. No previous vocal training is necessary. Classroom focus will be on tone quality and intonation. Students will learn to sing a variety of music in unison, two, and three-part harmony. Participation in concerts is mandatory. Optional activities include Madrigals, Solo and Ensemble, and IMEA.

Mixed Choir (05110A000)

2 Semesters = 1 credit

Prerequisite: Audition

Grade 10-12

This choir is open for students of all grades by audition. Students will learn to sing a variety of music in three and four part harmony. Participation in concerts is mandatory. Optional activities include Madrigals, Solo and Ensemble, IMEA, and I-8 honor choir festival.

Honors Mixed Choir (05110A000)

2 Semesters = 1 credit

Prerequisites: Students must have participated in high school mixed choir for at least one year with a final grade of 80% or higher, junior standing, and consent of the instructor. This class can only be taken once. Audition Required.

Grade 11-12

In addition to the requirements for Mixed Choir, students in this **weighted class** will complete 2 additional projects each semester that may include, but are not limited to the following activities: auditioning for the IMEA Senior Music Festival; participating in private lessons with a weekly journal of rehearsals, new techniques, and strategies; participating in a college music festival; attending 8 vocal/instrumental music performances at area high schools and writing a comparison paper; etc.

Independent Music Study (05109A000)

1 Semester = 0.50 credit

Grade 10-12

This class is open to all students. Students will choose an instrument or voice part to concentrate on for the semester in addition to studying music theory. Students have taken this class in the past to focus upon auditioning for the high school drum line, learning to play the guitar, or learning to play the piano.

This class may be repeated.

Honors Independent Music Study (05109A000)

1 Semester = 0.50 weighted credit

Grade 11-12

In addition to the requirements for Independent Music Study, students will complete a composition portfolio, complete additional writing assignments, use Finale software, work on music theory concepts and ear-training, submit an original composition to the IMEA, and perform an original solo/ensemble composition at the concert in May.

This class may be repeated.

AP Music Theory

Theatre Courses

Acting I – The Basics (05055A000)

1 Semester = 0.50 Credit

Grades 9-12

Students will learn the fundamentals of acting through improvisation and scripted material. Students will learn about believability, focus, intentions, and how to build a character. Much of the class will be hands-on learning based on participation, but some research, written work and reading will also be required.

Acting II – Techniques (05055A000)

1 Semester = 0.50 Credit

Grades 9-12

Students will build on the knowledge acquired during Acting I and perform multiple scenes, monologues and various other special projects throughout the semester. The class will culminate in a performance of a children's show or a one-act play (alternating semesters). Research, written work and reading will be required.

Acting/Directing Studio: One Acts

1 semester = 0.50 credit

Grades 10-12

Students will direct and perform in several one-act plays to be presented in two one-act festivals over the semester. All students will be expected to direct one show and act in two shows. A considerable amount of analysis of scripts and dedication to rehearsal will be required in this class. **This class may be repeated.**

Acting Studio: Contest Play & Improv

1 semester = 0.50 credit

Grades 10-12

Students in this class will take part in the IHSA Contest Play in mid-spring. This class is for actors AND technicians, as both are needed to produce a contest play. Students MUST be available the weekend of the Contest Play Sectionals and State Final. Dates will be released prior to the start of semester and student availability will be determined for placement. After Contest Play, we will spend the rest of the semester working on improv styles and performance. **This class may be repeated.**

Technical Theatre I

1 semester = 0.50 credit

Grades 9-12

Students learn hands-on about theatrical set building. Students will learn about basic set design and tools, and assist with building the theatrical sets used in the extracurricular plays. In addition, students will focus on safety precautions revolving around the tools associated with theatre. Though most of the class is hands-on, some written work and reading is required.

Technical Theatre II

1 semester = 0.50 credit

Grades 10-12

Students will concentrate on the major areas of theatre technology and production. Students will learn how to research and design sets, scenery, lights, sound, and costumes and learn about the roles and responsibilities of the Stage Manager, Production Manager and House Manager. Students will learn about all areas of Technical Theatre and specialize in one or two areas. Participation in extracurricular productions is required.

Theatre Courses

Film Studies I (05059A000)*1 semester = 0.50 credit**Grades 9-12*

Students will review the history of the American cinema. Students will view films from a variety of genres including silent, comedy, drama, gangster, musical, western, and film noire. Students will analyze each film in a formal essay. Films as The Apartment, Singing in the Rain, On the Waterfront, High Noon, The Godfather, One Flew Over The Cuckoo's Nest, and Star Wars will be shown. Students will be required to give written critiques of each film.

Film Studies II*1 semester = 0.50 credit**Grades 10-12*

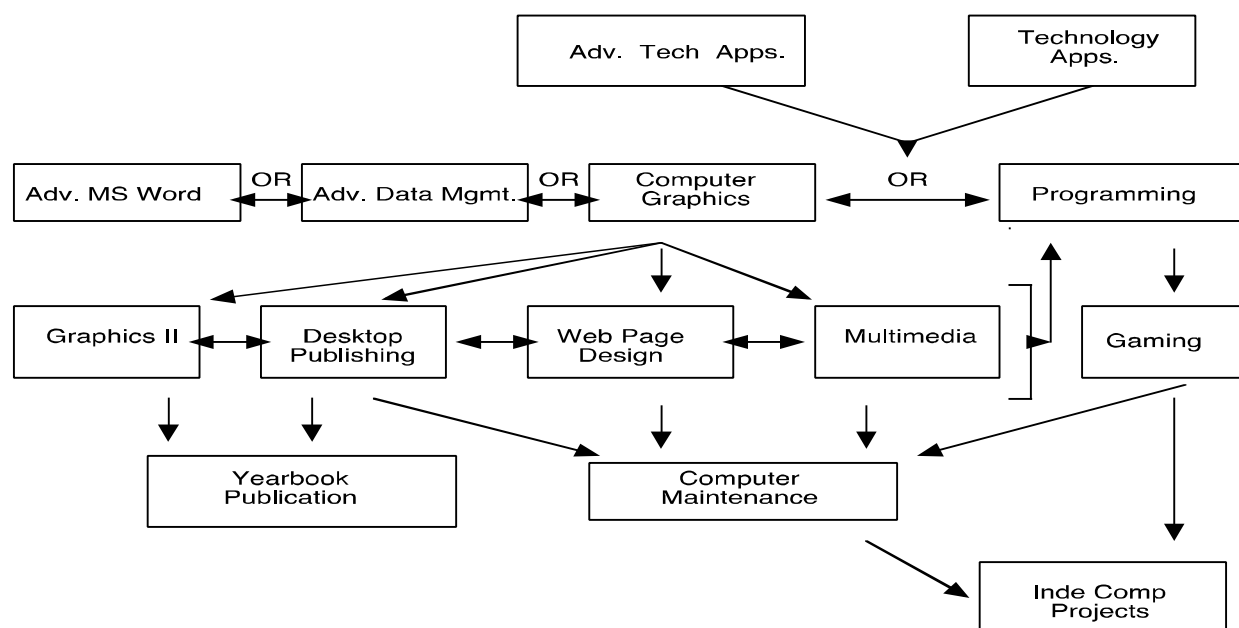
The second section of the course will focus on video production. Students will use the elements learned from the films and incorporate them into their own productions. Techniques of editing, cinematography, direction, sound, and screen writing will be taught. Students will be required to make a two-three minute film. Students will go through the film process from the creation of a story in pre-production, to filming and lighting in production, to editing and sound in post-production. Drawing upon knowledge from Film Studies I, students will create original scripts, produce a 5-minute video to be entered in a film festival, and adapt scenes for the screen. In addition, students will be required to produce a second video in the style of an established genre.

Advanced Theatre Production*1 semester = 0.50 credit**Grades 10-12*

Students will present one full-length play each semester. Each play is performed in a full production for a paying audience. Students are required to assume all roles necessary for the production, including technical tasks, so there are positions for both actors and tech people. This class takes the theoretical lessons acquired in the prior classes and applies them under rigorous deadlines. This play will be separate from the extracurricular show presented each semester and gives students another opportunity to perform a full-length show. This class may be repeated.

Career and Technical Education, Additional Electives and Vocational Education

Business Computer Flowchart



Business Computer Education

*** DENOTES SIGNED ACCEPTABLE USE POLICY FOR INTERNET USE REQUIRED**

Technology Application/Information Processing I* (12005A001)

1 Semester = 0.50 credit

Grade 9-12

Technology Application/Information Processing is the first level in a student's computer/office careers education. This course introduces students to the hardware components of a computer system and word processing software, allowing them to develop keyboarding skill and formatting specific documents (letters, tables, reports, forms) which require decision-making regarding acceptability, arrangement and English usage. Additional content includes a basic understanding of punctuation and proofreading, online information available via the Internet and learn key aspects of using the Internet. Instruction will emphasize proper keyboarding technique and speed-building. Students will develop an ethical work behavior, positive working relationships with others, and responsibility for their own work.

This course is required for graduation.

Advanced Technology Application/Information Processing I*

1 Semester = 0.5 credit

Grade 9-12

Advanced Technology Application/Information Processing is the first level in a student's computer/office careers education. This course introduces students to the hardware components of a computer system and word processing software, allowing them to develop keyboarding skill and formatting specific documents (letters, tables, reports, forms) which require decision-making regarding acceptability, arrangement and English usage. It is administered at an accelerated pace.

In addition to the content included Technology Application/Information Processing I, content includes the advanced exploration and utilization of Microsoft Word. Integration of programs and creation of web documents also developed. This course will be centered on performance based activities and the development of a project portfolio. Students will develop an ethical work behavior, positive working relationships with others, and responsibility for their own work.

This course is required for graduation.

Technology Application/Information Processing II* (10004A001)

1 Semester = 0.50 credit

Prerequisite: Technology Application/Information Processing I

Grade 9-12

Technology Application/Information Processing II builds on the concepts of Technology Application/Information Processing I. Students develop an awareness and understanding of the application of information processing concepts, software and equipment to accomplish tasks typically performed in computer/office/business careers. Instruction in this course focuses on building word processing skills, exploring and utilizing spreadsheet, database, and presentation software.

This course is required for graduation.

Advanced Technology Application/Information Processing II*

1 Semester = 0.5 credit

Prerequisite: Technology Application/Information Processing I

Grade 9-12

Advanced Technology Application/Information Processing II builds on the concepts of Advanced Technology Application/Information Processing I. Students develop an awareness and understanding of the application of information processing concepts, software and equipment to accomplish tasks typically performed in computer/office/business careers.

Instruction in this course focuses on building word processing skills, advanced exploration and utilization of spreadsheet (Microsoft Excel), database (FileMaker Pro), and presentation software (Microsoft PowerPoint). This course will be centered on performance based activities and the development of a project portfolio.

This course is required for graduation.

Business Computer Education

Advanced Data Management (10005A001)

1 Semester = 0.5 credit

Prerequisite: *Technology Applications I and II*

This course builds upon the spreadsheet and database skills obtained in *Technology Applications* and takes students to the next level. The primary focus of this course will be the advanced exploration and utilization of Microsoft Excel and Filemaker Pro. Integration of programs and creation of web documents also developed. This course will be centered around performance based activities and the development of a project portfolio. Both college-bound students and vocationally oriented students benefit from this course.

Advanced Microsoft Word(10005A001)

1 Semester = 0.5 credit

Prerequisite: *Technology Applications I and II*

This course builds upon the keyboarding and word processing skills obtained in *Technology Applications* and takes students to the next level. The primary focus of the course will be the advanced exploration and utilization of Microsoft Word. Integration of programs and creation of web documents also developed. This course will be centered around performance based activities and the development of a project portfolio. Both college-bound students and vocationally oriented students benefit from this course.

Computer Graphics* (10202A002)

1 Semester = 0.50 credit

Prerequisite: *Technology Applications/Information II*

Grade 10-12

This course covers digital image computer software, progressing from the beginning to the advanced level. Students learn techniques and features, with emphasis on composition and color, through a number of projects. Image scanning, manipulation, editing, repairing and color correction are also covered. This course also includes discussion of how graphic designers and photographers enhance their images. Students use Macintosh platform and digital cameras. This course presents an introduction to computers and their use in the field of advertising design.

Accounting I (12104A001)

2 Semesters = 1 credit

Grade 10-12

Accounting is a fast-paced business education course designed to introduce the fundamentals and skills of double entry bookkeeping and to prepare students for entry-level positions involving bookkeeping skills. This course goes through three Accounting cycles: Sole Proprietorships, Partnerships, and Corporations. Topics include interpreting transactions for each type of business, journalizing transactions, posting from a General Journal to a General Ledger, posting from Special Journals to a General Ledger, creating a variety of Financial Reports from posted data, depreciation, bad debts, payroll, cash register, accrued expenses, notes, and interest. All units go through practice sets and some simulated projects are incorporated when possible. Basic math functions and logical thinking are necessary.

You must be enrolled as a junior or senior and maintain a "B" average to be able to articulate Accounting I and Accounting II credits at Waubensee Community College.

Accounting II (12104A002)

2 Semesters = 1 credit

Grade 11-12

Accounting II is a business education skill-level course that builds upon the foundation established in Accounting I. This course is planned to help students develop deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. Topics covered are departmentalized accounting, accounting control systems, general accounting adjustments, corporation accounting, management accounting, cost accounting, and a variety of other accounting systems. Students will develop a comprehensive understanding of the educational training, aptitudes and skills necessary for professional accounting careers.

You must be enrolled as a junior or senior and maintain a "B" average to be able to articulate Accounting I and Accounting II credits at Waubensee Community College.

Business Computer Education

Desktop Publishing*

1 Semester = 0.50 credit

Prerequisite: **Computer Graphics**

Grade 10-12

Students will design and create a wide range of print publications such as flyers, business cards, newsletters, brochures, and posters using the programs Adobe InDesign and PhotoShop. Digital cameras and the internet will be utilized throughout the course. Note: *This course is required for Yearbook and recommended Journalism classes.*

Multi-Media* (10202A001)

1 Semester = 0.50 credit

Prerequisite: **Computer Graphics**

Grade 10-12

In this course students will develop an understanding of the techniques and technologies used in various multimedia fields and applications. Instruction will include hands-on skills involving graphic design, digital video production and Web publishing. Students will use various hardware peripherals and software such as PowerPoint, iMovie, GarageBand and iWeb for completing projects.

Web Page Design* (10201A001)

1 Semester = 0.50 credit

Prerequisite: **Computer Graphics/Multi-Media**

Grade 11-12

Web Page Design is a one-semester advanced computer course offered to juniors and seniors. Good design principles will be stressed in this course. Utilizing these design principles, students will create web pages that include text, graphics, clip art, photos, frames, links, etc. Students will be introduced to different web page development software packages as well as Adobe PhotoShop. The primary project in this course will be for students to create, maintain, and upgrade web pages in the Plano District #88 web site.

Computer Maintenance* (10252A001)

1 Semester = 0.50 credit

Prerequisite: **2.0 Credits in any PHS computer course.**

Grade 11-12

Computer Maintenance teaches routine maintenance techniques for the microcomputer. They will be introduced to techniques for diagnosing and solving a variety of computer problems involving both hardware and software. They will install software as well as peripheral equipment. Students will practice their skills by helping troubleshoot computer problems as they arise throughout Plano District #88 schools. The work provides a valuable service to Plano District #88 schools while also being a great learning experience for the students themselves.

Computer Programming* (10152A001)

1 Semester = 0.50 credit

Grade 10-12

Computer Programming is designed to be an introduction to the BASIC computer language. Variables, BASIC statements, logic, loops, nested loops, data files, and flowcharting are some of the topics included in the numerous programs students shall write during the semester. A unit on robotics will also be incorporated into this class. Students will construct robotic models and then write computer programs in the Lego Logo language to control their models. Other units studied in this course shall include the binary and hexadecimal numbering systems and logic gates.

Gaming (10152A001)

1 Semester = 0.50 credit

Prerequisite: **Computer Programming**

Grade 11-12

Students enrolled in this class will utilize a programming environment that allows students to learn basic computer science concepts while creating animated movies and simple video games. Students will control the behaviors of 3D objects and characters in a virtual world. The application used in this course will be Alice, an interactive interface developed at Carnegie Mellon University. Students will drag and drop graphic tile to create a program where the instructions correspond to standard statements in a production oriented programming language such as Java and C++.

Business Computer Education

Independent Computer Projects*

1 Semester = 0.50 credit

Prerequisite: Instructor Approval

Grade 11-12

This is a one-semester course teaching advanced computer applications. A student may choose more in-depth study of topics introduced in previous computer courses. Both the college-bound and vocational-oriented student will benefit from this course.

This class may be repeated.

Computer Graphics II*

1 Semester = .50 credit

Grade 10-12

Prerequisite: Computer Graphics

This course will explore methods and techniques for creating computer generated graphics like those used in advertising, marketing, web and traditional promotional communications. Students will add the vector-based Adobe Illustrator software program to their bank of computer skills. This is a project based course recommended for students with interested in advertising, marketing, web design, computer animation and/or graphic design careers.

Sports and Entertainment Marketing (12055A001)

1 Semester = 0.50 credit

Grade 10-12

This class will introduce students to the role of marketing in the sports and entertainment industry. The emphasis is on employing basic marketing concepts and strategies, which include target marketing, branding, new product development, market research pricing, promotion, and celebrity endorsements. It will emphasize marketing principles through exposure to professional sports teams, entertainment/businesses and high tech companies.

Consumer Economics

1 Semester = 0.50 credit

Grade 11

Consumer economics covers many basic economic concepts. It also focuses on the skills needed to succeed at managing personal finances in the future. This course prepares students for living independently. This knowledge provides each student with the tools they need to thrive in the real world. The information covered includes: consumer rights and protections, careers, taxes, budgeting, banking, credit, insurance, automobiles, housing, and basic living needs.

This course is required for graduation.

Job Shadowing/Career Exploration Program

1 Semester = 0.50 credit

Prerequisite: Instructor Approval

Grade: 11-12

Designed to provide students who have not made a specific career choice on-the-job experiences that will help them with career exploration and employability skills. This program focuses on personal attitudes, self-esteem, work ethics and their relationship to personal life choices. Students are required to work study a specific career of choice and make a final **presentation to the board** about what they have learned. Students will be evaluated on the job as well as their own reports and will contract with an employer as to their expectations. **This class is for 11th and 12th graders who have their own transportation.**

Family Consumer Sciences (FCS) Courses

Clothing I (19201A001)

1 Semester = 0.50 credit

Grade 9-12

This course will provide students with basic sewing skills that promote feelings of accomplishment and independence at the sewing machine. Individual projects will vary including pillows, p.j. pants, and craft projects. The Serger sewing machine is introduced and related fashion careers are discussed. Students will learn sewing techniques that will help them in the home or on the job. *Students should be prepared to purchase supplies and fabric.*

Clothing II (19203A001)

1 Semester = 0.50 credit

Grade 9-12

Students will learn about fashion history, fashion styles, wardrobe planning and care, alterations of ready-made garments, and textiles. Clothing occupations in the fashion industry will be emphasized. Students will use knowledge and skills from Clothing I to learn advanced sewing techniques. Sewing projects will be individualized based on experience and skill. Projects will include garments with a zipper, collar, facing or waistband. *Students should be prepared to purchase fabric and supplies.*

Clothing Independent Study

1 Semester = 0.50 credit

Grade 10-12

Clothing Independent Study is designed to give students the opportunity to further expand sewing skills and develop new techniques. Arrangements and independent study contracts are to be drawn up between the student and instructor to show construction plans for three challenging projects.

Foods I (16054A001)

1 Semester = 0.50 credit

Grade 9-12

Foods I stresses basic nutrition, safety and sanitation, measurements, selection and storage of food products, proper etiquette, and the safe use of kitchen tools and equipment. Lab experiences will include milk, egg and cheese cookery, preparation of fruits, quick breads, and cookies. The basic techniques and principles learned from this course are easily transferrable in future situations either in the home or in a food related career.

Foods II (16054A002)

1 Semester = 0.50 credit

Grade 9-12

Foods II builds upon the knowledge and skills obtained from Foods I. Planning well balanced meals, demonstrating food safety and sanitation practices, and selecting foods to promote a healthy lifestyle will be covered in this course. Lab experiences will include cakes, pies and pastries, yeast breads, grains, international foods, and the use of proper kitchen measurement. This course explores the development of skills in advanced food preparation creating healthy snacks, meals, and introducing students to culture and cuisine. Dietary guideline concepts will help influence students to make healthy choices.

Foods III (16054A003)

1 Semester = 0.50 credit

Prerequisite: C or better in Foods I and II

Grade 10-12

Foods III builds upon the knowledge and skills obtained from Foods I and Foods II. Planning daily food choices, exploring food and fitness, and covering special topics in nutrition will be covered in this course. Lab experiences will include meat cookery, casseroles, vegetables, desserts, cake decorating, and proper use of cookware and bake ware. Foods III allows students, who are interested in food preparation skills, a chance to explore more difficult cooking techniques, understand how this can impact their health, and explore the school-to-work opportunities that are available to them. Emphasis will be placed on creativity, decision-making and management skills, and critical thinking.

Family Consumer Sciences (FCS) Courses

Child Development (19052A001)

1 Semester = 0.50 credit

Grade 9-12

This course emphasizes learning experiences which help students gain knowledge and understanding of parenting and children. Studies will include learning about intellectual, physical, social emotional development of children from conception through early childhood. The course content also centers around the following areas: responsibilities of parenthood, human development, the prenatal period, fetal development and growth, labor and delivery. The students are taught to encourage acceptance of people from a variety of backgrounds and how to provide developmentally appropriate experiences for children to learn. A variety of developmental theories will also be looked at as children grow.

Early Childhood Occupations (19054A001)

1 Semester = 0.50 credit

Grade 10-12

This course is designed to provide students interested in a career in Early Childhood Occupations with information and practical experiences needed for development of job-related competencies. Students are provided laboratory experiences in our Tots and Teens preschool. Students will be expected to develop appropriate skills in program development and in assisting with children's developmentally appropriate activities. Emphasis is placed on the identification and application of positive guidance methods and techniques in developing your children's potential. Classroom student is concerned with the philosophy and management of children and child care centers. Recording and objectively interpreting children's behavior through observation is also covered.

Advanced Early Childhood Occupations (19055A001)

1 Semester = 0.50 credit

Grade 11-12

Students who would like to continue in the Early Childhood field will be advancing their skills in the management of the Tots and Teens Preschool. They will have the opportunity to learn more about children developmentally while developing their own personal portfolio. Students will be expected to develop skills in preschool management, curriculum development, and will assist the preschoolers and beginning Early Childhood Occupation students with skills needed. *This class will provide the 2nd semester needed to apply for Waubensee Community College Early Childhood credits.*

Early Childhood Directed Study

1 Semester = 0.50 credit

Grade 11-12

This is a directed study program designed for students interested in pursuing careers in child care related occupations who have completed major course work in the field at their high school and/or vocational center. Students enrolled in this program have the opportunity to participate in advanced learning and experiences provided through private or public sector internships or community college work supported by the local school district. Any transportation required is the responsibility of the student.

Early Childhood Occupations Internships

1 Semester = 0.50 credit

Grade 12

This level is for the student who has a desire to pursue a career on working with children. They will continue their work in Tots and Teens Preschool by taking over the director responsibilities, and will be expected to observe other schools and ages of children. These students will also have the opportunity to work with special needs. An excellent class for those looking at the teaching field.

Family Consumer Science

Peer Leadership

1 Semester = 0.50 credit

Grade 10-12

This course is designed for students interested in helping people. The course work will help increase proficiency and awareness in a variety of collaborative skills such as communication, listening, feedback, and conflict resolution. *Students in this program must submit an application for approval to the teacher and understand that self-discipline, responsibility, and good judgments are essential prerequisites for this course.* Once trained, the students will be active in school mediations and in a variety of community and county volunteer situations. Service hours are required for this course.

Service Learning

1 Semester = 0.50 credit

Grade 10-12

This class may be repeated.

This course is available to students that are interested in service for others. Opportunities as a tutor, Big Brother/Sister, and teacher assistants are possibilities within the district. Community needs are dependent on those interested in using student volunteers. This class makes a great impression and looks good on resumes, college and scholarship applications.

Individual Consumer Economics

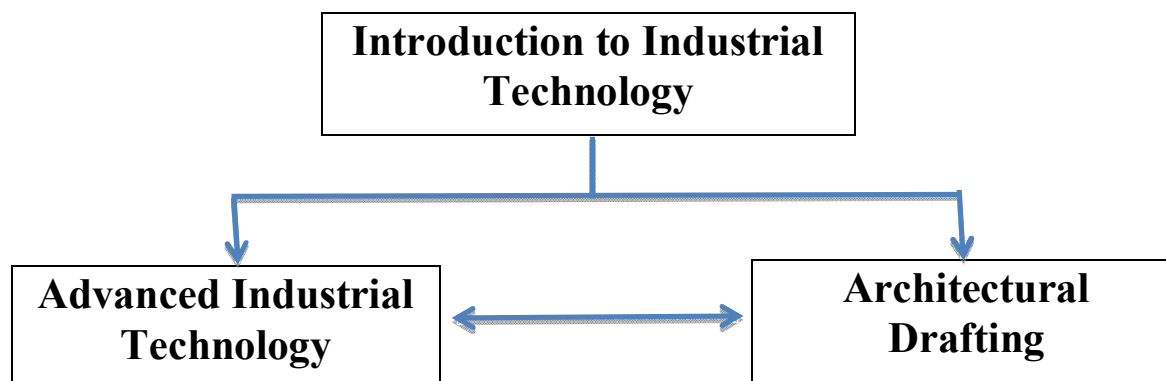
1 Semester = 0.50 credit

Prerequisite: *Must have IEP*

Grade 11

This course covers topics to help the student become an informed consumer including banking, credit, housing, income tax, insurance, advertising and shopping. Effort, ability and individual differences are always taken into consideration when determining grades.

Industrial Technology



Introduction to Industrial Tech(21052A002)

1 OR 2 semesters = 0.5 . 1.0 Credit

Grades 9-12

This course is a modular class dedicated to students interested in technology that revolves around the *Paxton-Patterson Action Lab (PAL)* stations. While the students move through 14 different modules, (Architecture, Research & Design, Electricity, etcõ) they learn the basics of technology through their simple principles and units. The class is full of enjoyable activities with a hands-on based approach that allows its users to fully understand its information. This course is an intro course designed to set the students up to go onto more classes through Indian Valley Vocational Center.

Advanced Industrial Technology (21054A001)

2 Semesters = 1.0 Credit

Grades 10-12

Prerequisite: *2 Semesters of Introduction to Industrial Technology. "C or better"*

In this course, students will access open-ended real-world design problem, and use brainstorming tips, teamwork strategies, research links, and media to solve it. Part of the course is also a modular class that revolves around a *Paxton-Patterson Career Plus (CP)* stations. In different Integrated Instructional Units (IIUs) (Alternative Energy, Construction Technology, Environmental Technology, CAD Drafting, and Woodworking) students work in teams to explore an open-ended problem, imagine solutions, collaborate, and create a final project. The class is full of enjoyable activities through a hands-on based approach that allows its users to fully understand its information.

Architectural Drafting I & II (21102A001)

1 or 2 Semesters = 0.5 or 1.0 Credit

Grades 10-12

Prerequisite: *2 Semesters of Introduction to Industrial Technology. "C or better"*

This is a one or two semester course created for students with an interest in pursuing a career in Architecture. The course covers general architectural techniques, history of architecture, home styles, construction methods, and planning and drafting floor plans. Using various drafting tools and techniques from traditional board drafting to Computer Aided Drafting (CAD) students will have the become an Architect and produce a set of residential drawings (Floor plans, elevation drawings, foundation plans, roof plans, and site plans) from a clientsqdescription. The main objective of this class is to learn the fundamentals of Architecture through correct instruction, guidance, and practice to become a chief architect.

Miscellaneous Courses

Yearbook Production

2 Semesters = 1 credit

Prerequisite: *Desktop publishing (previously taken or current enrollment) and teacher approval*

Grade 11-12

Students will produce the school yearbook, the *Sillouette*. Tasks include layout/design of pages, photography, advertising, and yearbook sales. Students will be expected to attend some extra-curricular events for photograph and reporting on those events. Students may also need to devote extra time outside of class to finish production at the end of the school year. **This class may be repeated.**

WCC Class Option (22999A000)

1 Semester = 0.50 credit

Prerequisite: *Must be eligible to graduate*

Grade 12

Class for seniors that wish to take college level course through Waubensee Community College. Will not count towards GPA. **Students will receive dual credit for the course.**

<p style="text-align: center;">ESL English as Second Language</p>

ESL I (01008A000)

2 Semesters = 1 credit

Prerequisite: *W-APT/ACCESS scores and teacher recommendation*

Grade 9-12

*This course covers the fundamentals of the 4 domains of the English language: reading, writing, listening, and speaking. It is appropriate for newcomers to the United States, as well as for any students who have extreme difficulty with 1 or more of the 4 domains. **This class fulfills an English requirement, and may be repeated.***

ESL II (01008A000)

2 Semesters = 1 credit

Prerequisite: *W-APT/ACCESS scores and teacher recommendation*

Grade 9-12

*This course builds on the fundamentals of English and cultivates students' intermediate English skills. There is an intense focus on reading, writing, and listening, and speaking skills. The class may address students' speaking skills if there is a need. **This class fulfills an English requirement, and may be repeated.***

ESL III (01008A000)

2 Semesters = 1 credit

Prerequisite: *W-APT/ACCESS scores and teacher recommendation*

Grade 9-12

*This course expands on students' intermediate English skills within the 4 domains. There is more of a focus on analysis, synthesis, and critical thinking skills. Students are prepped for ACT level vocabulary. **This class fulfills an English requirement, and may be repeated.***

ESL IV (01008A000)

2 Semesters = 1 credit

Prerequisite: *W-APT/ACCESS scores and teacher recommendation*

Grade 9-12

*This course continues to reinforce the skills taught in ESL III: analysis, synthesis, and critical thinking, as well as, ACT vocabulary preparation. Students focus on preparing for graduation, college, and careers and/or for entering a mainstream English classroom. **This class fulfills an English requirement, and may be repeated.***

ESL Resource (01008A000)

2 Semester = 1 credit

Prerequisite: *W-APT/ACCESS scores and teacher recommendation, Concurrent enrollment in ESL I-IV*

Grade 9-12

This course has two functions:

- 1) To provide reinforcement in the 4 domains (reading, writing, listening and speaking) for those students who have exited the ESL Program and are receiving general education instruction.*
- 2) To provide content instruction for students who are currently in the ESL Program (especially newcomers) in addition to the instruction they are receiving in their classes. This class does not have an English curriculum; students bring homework/work from their classes that they need individual help interpreting. **This class will count as an elective credit, and may be repeated.***

Indian Valley Vocational Center

Auto Body Repair (20116A001)

2 Semesters = 4.0 credits

See Priority Rating on Page 10

Grade 11-12

A comprehensive program of collision repair and automotive paint refinishing. Safety practices and safety equipment, as well as EPA standards, will also be addressed and followed. First year students will get a basic knowledge of collision repair and refinishing procedures. Second year students will get advanced training on frame and structural repair.

Automotive Technology

2 Semesters = 4.0 credits

See Priority Rating on Page 10

Grade 11-12

All students study routine automotive repair and maintenance fundamentals. This is accomplished by textbook study, lecture and homework before practical experience in the shop. Safety practices and industry standards will be stressed. Second year students will continue by learning more advanced techniques and diagnostic procedures through weekly textbook and homework assignments, and hands-on shop experience.

Building Trades (17002A001)

2 Semesters = 4.0 credits

See Priority Rating on Page 10

Grade 11-12

This program offers a 95% hands-on experience in all phases of residential construction. Once all safety procedures have been completed, students will be briefed on current building codes, span charts, blueprint reading, and estimating/scheduling. The students will spend the remainder of the year at our off-campus jobsite, constructing a house from start to finish. Areas of study will include concrete, carpentry, framing, roofing, siding and exterior trim, plumbing, HVAC, drywall and interior trim. In addition to using conventional lumber and understanding all its characteristics, they will also learn about and/or use composite material, engineered lumber and connectors. Second year students, after meeting the required criteria, are given the opportunity to obtain an internship, receiving wages from an employer while gaining experience in a trade of choice that pertains to construction.

Computer Technology

2 Semesters = 4.0 credits

See Priority Rating on Page 10

Grade 11-12

State-of-the-art program in computer maintenance and installation. Students work with hardware and software in a real world environment to maintain PCs and printers at IVVC. They also do maintenance work for other schools. New computer setup, purchase and evaluation are also a part of the course. Second year students explore wire & wireless networks. A+ certification is possible after first year.

Cosmetology (19101A001)

2 Semesters = 4.0 credits

See Priority Rating on Page 10

Grade 11-12

A 1,500-hour program contracted through Hair Professionals Career College, offered at their Sycamore or Oswego site or Debutantes School of Cosmetology & Nail Technology in DeKalb. Those who complete the program will have earned 1,000 hours toward the state licensing requirements for hairdressers during the two year program. Course meets during evening and weekend hours and students are dismissed for either afternoon or morning classes consistent each day.

Indian Valley Vocational Center IVVC- Continued
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Culinary Arts (16052A001)*2 Semesters = 4.0 credits***See Priority Rating on Page 10****Grade 11-12**

Developed by the National Restaurant Association Educational Foundation, the Pro-Start program is a two-year curriculum designed to teach high school students the management skills needed for a career in the restaurant and food service industry. ProStart students have the opportunity to earn industry-approved, nationally recognized certificate, guaranteeing them a minimum \$2,000 scholarship and access to college articulation agreements. To earn the ProStart certification, students must complete the following program components: 360 hours of classroom instruction covering hospitality business and food preparation; 400 hours mentored internship, in front and back of house positions; workplace competency checklist, demonstrating industry knowledge and skills; successfully pass year one and two national ProStart Examination.

Drafting & Design*2 Semesters = 4.0 credits***See Priority Rating on Page 10****Grade 11-12**

Look around. Most everything you see- from the cell phone you use to the car you drive to the buildings you walk through- has to be designed. Design is an important step in the process from idea to reality, and students in this class learn to use creativity, problem solving, and technical skill to make that step happen. Students will experience hands-on projects in the fields of architecture, engineering, interior design, product design, mechanical design, computer-aided drafting (CAD) and surveying/civil engineering. First semester, students will gain experience and knowledge in the design areas mentioned above, and second semester each student will choose one or two of those areas for more in depth study. Some of our popular hands-on projects include popsicle stick bridges, H2O rockets, marble roller coasters, CO2 dragsters, and Mythbuster Mondays. Similar to the popular TV show, Mythbuster Mondays give students a chance to brainstorm, build, and test ideas. First year students learn the fundamentals on the drafting board and progress to beginning computer-aided drafting (CAD). Second year students learn advanced CAD. Completion of the course provides the possibility of up to 11 semester hours of credit at Waubensee Community College

Early Childhood Development (19054A001)*2 Semesters = 4.0 credits***See Priority Rating on Page 10****Grade 11-12**

The Early Childhood Development program offers a comprehensive study of child development by exposure to hands-on lab experiences through the Carole V. Nolan Preschool. First year students gain knowledge through theory and observation learning to guide young children through in their behavior and development. Second year students will have the opportunity to evaluate and meet the needs of specific children through in-depth curriculum planning and implementation, as well as learning the state regulations for day care centers as established by the Department of Children and Family Services.

Indian Valley Vocational Center IVVC- Continued
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Fire Science (15152A001)*2 Semesters = 4.0 credits***See Priority Rating on Page 10****Grade 11-12**

First year student - Basic Operations Firefighter. This course is a study of techniques used in fire fighting. This course covers the subjects required by the Office of the State Fire Marshal for certification at the Basic Operations Firefighter level. This course also incorporates a fire department atmosphere into the training. The student's daily routine includes proper uniform, apparatus and PPE checks and station cleaning. Students will take part in classroom lectures, demonstrations, hands on practice on individual skills, training responses that incorporate these individual skills into fire ground evolutions through the use of various props and structures. Students will also complete a project on Pride, Honor and Tradition or complete a Line of Duty Death project. This program emphasizes the knowledge, individual skills and teamwork skills necessary for entry-level personnel to become functioning members of a fire company. This program also covers Technical Rescue Awareness, Fire Service Vehicle Operator, Hazardous Materials Awareness, Hazardous Material Operations and Courage to be Safe. First year students will also become CPR certified.

Second year students—Advanced Technician Firefighter. Second year students begin the year working on all the required course work to obtain their Advanced Technician Firefighter certification. This class is designed for the experienced firefighter. Some of the hands-on skills include R.I.T. evolutions, radio communication drills, forcible entry, ventilation, and assisting Technical Rescue Teams. Students will also complete the Vehicle Machinery Operations class. VMO teaches students how to deal with various auto accident incidents. Extensive hands-on tool time is given to the students to work with various tools and techniques to perform auto extrication. Students will be trained in Fire Apparatus Engineer. This portion of the year teaches students the knowledge and skills needed to perform pump operations at a fire scene. Second year students finish the year completing Emergency Medical Technician Basic. This portion will teach the students patient care in both traumatic and emergent medical care situations, as well as the use of medical equipment and materials. After the EMT-B portion is completed, it will ready the student to challenge the State and/or National Registry tests for EMT-Basic Licensure. Both classes are offered at the Sandwich Fire Station.

Graphic Communications (1154A001)*2 Semesters = 4.0 credits***See Priority Rating on Page 10****Grade 11-12**

Become part of the next generation of digital design! The world is full of images and words and Graphics **IS** that world. Students will study foundation software and design skills and be introduced to careers in art and design. Learn what it takes to design an awesome t-shirt and how to make a poster pop. Make your own logo and print it on notepads, stationery, and business cards. Design a product label and work with a professional photographer on a photo shoot to produce an original magazine ad. Be a digital photographer. Learn how to take portraits, make an iMovie or shoot a video for YouTube. Learn how to use state of the art software (Illustrator, InDesign and Photoshop) to turn your creative ideas into a reality. Field trips will introduce you to animation, web design, entertainment staging, college life, marketing, printing and more. Art or computer experience is helpful, but not a requirement to be successful in the amazing world of Graphic Communications.

Indian Valley Vocational Center IVVC- Continued
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Health Occupations- Exploring Medical Careers (14002A002)*2 Semesters = 4.0 credits***See Priority Rating on Page 10****Grade 11-12**

Do you want a career in the medical field? Do you want to learn more about what careers are available? This course is for junior and senior students who are interested in exploring medical careers in an applied life science skill format. The curriculum provides hands-on learning opportunities involving body systems and medical careers. Students will learn basic medical procedures associated with the health profession, including performing vital signs, injections and blood draws on a training arm. Students will also be able to job shadow at local medical facilities to see what a career in the medical field really entails. Want to know what esophagogastroduodenoscopy means? You will learn that and many more medical terminology words that are necessary to continue in the medical field. The students will obtain their CPR certification, along with basic first aid training.

Health Occupations- CAN (14051A001)*2 Semesters = 4.0 credits***See Priority Rating on Page 10****Grade 12**

This course is for **SENIORS ONLY** who are interested in becoming Certified Nurse Assistants. The student must have passed a biology or bio-med class at the home school with a minimum grade of C and must have a good attendance record. The Exploring Medical Careers class is not a prerequisite for this class; however, approval from IVVC and the home school may be required. This course follows the guidelines of the Illinois Department of Public Health to achieve a certificate as a Certified Nurse Assistant. A fingerprint criminal background check is required.

HOSPITALITY MANAGEMENT (19206A001)*2 Semesters = 4.0 credits***See Priority Rating on Page 10****Grade 11-12**

This course encompasses all facets of hotel management and the hospitality industry. Areas of study include facilities management, finance, food services, building security, housekeeping, marketing and tourism, event planning, and the legal aspects of the hospitality industry. In addition to classroom information and discussion, students will gain hands-on experience at Timber Creek Inn & Suites, located near IVVC in Sandwich.

Law Enforcement (15051A003)*2 Semesters = 4.0 credits***See Priority Rating on Page 10****Grade 11-12**

This course is designed for the student who is contemplating a career in law enforcement. The curriculum follows the certified Illinois State Police Basic Training used by all the Illinois Police Academies. All students may be required to submit to random drug testing and a background check in order to be involved with any hands-on activities. Students with a criminal history should not enroll. First year students will be studying criminal law, vehicle code, and case law in the first semester and learning how to investigate crimes, process a crime scene, and execute arrests in the second semester. Students will engage in dynamic scenario-based training, defensive tactics, officer safety skills, firearm safety and simulators using air soft and paintball activities. At the conclusion of the first year, students will be able to correctly investigate a crime, make an arrest, complete booking and arrest report, and testify in court. Second year students will be leading class discussions, composing research projects, assuming a supervisory role with first year students, and actively training in Jiu Jitsu, Judo, and karate, as well as competing in weekly training scenarios using air soft. Guest speakers include Secret Service, FBI, DEA, SWAT and field trips may include jails, police academies, military facilities, and police departments. The instructor is a current police officer and state certified firearm and air soft instructor.

Indian Valley Vocational Center IVVC- Continued
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Sports Management/Sports Medicine (14062A001)*2 Semesters = 4.0 credits***See Priority Rating on Page 10****Grade 11-12**

This course will introduce the student to the professions within the sports medicine and sports management industries, such as Athletic Training, Coaching, Physical therapy, Personal Training and Massage Therapy. Sports Medicine I will focus on the anatomy of the skeletal and muscular systems, injuries, rehabilitation protocols, as well as taping and wrapping techniques. Sports Management I introduces students to a variety of careers in sports, including but not limited to, the fitness industry, coaching, facilities planning, sports marketing and sports journalism. A requirement of all first year students is to perform, fifteen hours of professional job shadowing outside of class time. Second year students meeting all prerequisites have the opportunity to participate in internships with local businesses. This course offers necessary skills required to enter many post-secondary educational programs.

Welding & Fabrication (13207A001)*2 Semesters = 4.0 credits***See Priority Rating on Page 10****Grade 11-12**

This course is designed for students who are ready to challenge themselves and become the welders and metal fabricators of tomorrow. Various welding and cutting processes are taught throughout the year and students will demonstrate these skills through hands-on activities in the shop. Several class projects, both individual and group, are done throughout each quarter, which coincide with class lectures. Personal projects are welcomed once students have finished their assigned welding tasks. Production strategies and lean manufacturing skills are demonstrated, giving the students a taste of the real world and what makes a successful business. First year students are challenged in flat and horizontal welding positions while second year students learn how to weld in the vertical and overhead positions. Employability, which emphasizes their professional conduct, is a significant portion of the student's grade.