

# Pana High School

## *Home of the Panthers*



## Course Description Guide

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**2012-2013**

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### HOW TO USE THE GUIDE

1. Carefully read the descriptions in this Course Description Guide.
2. Build a five-year educational plan that includes your goals after high school.
3. Review the Pana High School Graduation Requirements, page 2.
4. Select required courses and electives based on requirements, interests and future goals.

**REGISTRATION**

After registration, changes to a student’s schedule shall be made through individual counselors. Changes will only be allowed for computer errors, overloaded classes, inappropriate placement, as space is available.

**We expect students to choose classes wisely during registration and NOT make changes after the start of the school year.**

Some classes listed in this guide may not be offered in next year’s schedule because the number of students who register may not be sufficient to offer the classes.

# GRADUATION REQUIREMENTS

All students graduating from PHS must pass each requirement established by the State Legislature, the State Board of Education, and the Pana School Board. A minimum of **28 credits** must be earned. The usual rate is .5 credits for each class passed per semester, or 32 total over four years. Transfer students minimum required credits will be pro-rated. Graduation Requirements are listed below. Electives are chosen based on each student's interests and goals. It is the student's responsibility to make sure all graduation requirements are met. **NOTE:** Students planning to attend a university should check with the university for complete admission criteria. Students planning to participate in college athletics must meet NCAA Clearinghouse requirements.

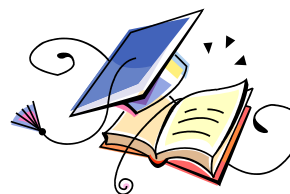
<b>PHS Graduation Requirements</b>		<b>MINIMUM CORE REQUIREMENTS FOR ADMISSION TO ILLINOIS COLLEGES/UNIVERSITIES</b>					
		<b>Eastern Illinois University</b>	<b>Illinois State University</b>	<b>Southern Illinois University—Carbondale</b>	<b>Southern Illinois University—Edwardsville</b>	<b>University of Illinois Urbana-Champaign</b>	<b>Lake Land College</b>
<i>Credits</i>							
<b>English</b>	<b>4.0</b>	4.0	4.0	4.0	4.0	4.0	Placement Test or ACT score
<b>Physical Ed or Waiver</b>	<b>3.5</b>						
<b>Mathematics</b>	<b>3.0</b>	3.0 Excludes Pre-Algebra	3.0 Excludes Pre-Algebra	3.0 or 3.5 Excludes Pre-Algebra	3.0 Excludes Pre-Algebra	3.0 or 3.5 Excludes Pre-Algebra	Placement Test or ACT score Geometry 2 is required for graduation
<b>Science</b>	<b>2.0</b>	3.0 Laboratory Science	2.0 Laboratory Science	3.0 Laboratory Science	3.0 Laboratory Science	2.0 Laboratory Science	
<b>Social Science</b> <i>Includes: 0.5 credits in Civics 1.0 credit in U.S. History</i>	<b>2.0</b>	3.0	2.0	3.0	3.0	2.0	
<b>Health</b>	<b>0.5</b>						
<b>Consumer Education</b>	<b>0.5</b>						
<b>Driver Education Classroom</b>	<b>0.5</b>						
<b>Computer Technology</b> <i>Beginning with Class of 2014</i>	<b>0.5</b> <b>1.0</b>						
<b>Freshman Seminar</b> <i>Class of 2013-2015</i>	<b>0.5</b>						
<b>Fine Arts/Vocational/ Foreign Language</b>	<b>1.0</b>	Not Required * University does require that all students take one year of foreign language to graduate unless the student has taken 2 years of the same foreign language in high school with a "C" average.	2.0 In a single language	Not Required	Not Required 2 years recommended	3.0 In a single language	Not Required
<b>Electives</b> <i>Beginning with Class of 2016</i>	<b>9.5</b> <b>10</b>	2.0	2.0	2.0	2.0	2.0	

# YOUR EDUCATIONAL & CAREER PLAN

Pana High School students are encouraged to develop a suitable academic/career plan that leads to continuing education at a four-year college or university, community college, technical institution, military, or direct entry into the world of work. It is the responsibility of the school, home, and community to aid students in making educated decisions regarding their college and/or career options.

Assessments of student interest, aptitudes, and abilities are integrated into a variety of career exploration opportunities. Career and college speakers and other learning experiences enrich academic content. Combined with effective counseling practice, students are assisted in their decision-making and goal setting process.

The high school curriculum further expands career-related knowledge and experience, and school guidance counselors, administrators, and teachers are available to assist students as they explore options and make pertinent high school and post-secondary decisions.



## Pana High School Education Plan

9th Grade		10th Grade		<p><i>This is a sample 4 year plan for students graduating from PHS. Please note that some classes may fall in different years or semesters depending on the students age or course restrictions. One year of electives (2 semesters) <u>must</u> fall in the category of fine arts, vocational, or foreign language.</i></p> <p><i>Those students wanting to follow the College Prep curriculum should include the following courses in their 4-year plan:</i></p> <ul style="list-style-type: none"> <li>* <i>English III</i></li> <li>* <i>Composition I</i></li> <li>* <i>Composition II</i></li> <li>* <i>Public Speaking</i></li> <li>* <i>Intro to Literature</i></li> <li>* <i>2 years (4 semesters) of one Foreign Language</i></li> <li>* <i>3 years of Mathematics starting with Algebra I</i></li> <li>* <i>Biology</i></li> <li>* <i>Chemistry</i></li> <li>* <i>Elective Lab Science</i></li> <li>* <i>3 years of Social Studies</i></li> <li>* <i>Computer Applications</i></li> </ul>
1st Semester	2nd Semester	1st Semester	2nd Semester	
English	English	English	English	
Math	Math	Math	Math	
Science	Science	Science	Science	
Physical Ed	Health	Physical Ed	Physical Ed	
Keyboarding	Driver Ed.	Civics	Comp App	
Elective	Elective	Elective	Elective	
Elective	Elective	Elective	Elective	
Elective	Elective	Elective	Elective	
11th Grade		12th Grade		
1st Semester	2nd Semester	1st Semester	2nd Semester	
English	English	English	English	
Math	Math	Physical Ed	Physical Ed	
Physical Ed	Physical Ed	Elective	Elective	
US History	US History	Elective	Elective	
Consumer Ed	Elective	Elective	Elective	
Elective	Elective	Elective	Elective	
Elective	Elective	Elective	Elective	
Elective	Elective	Elective	Elective	



## Credits and Graduation

The following information is to assist you in placing course credits in the appropriate graduation requirement categories.

- Required courses are defined by either the State of Illinois or the Pana Board of Education as those courses that **MUST** be successfully completed (passed) before graduation.
- Elective courses are defined as those taken for the credit listed but not required for graduation.
- Students must register for eight academic subjects. All subjects will receive semester credit (.5 each semester unless otherwise noted).
- Credit requirements are met in each subject area when they total the number credits required for that area. For example, if a student has earned only .5 credit in a specific area and 1 credit is required, the requirement has **not** been met. Another course must be completed in the same category to bring the earned credit amount to a minimum of 1.0 credit.
- Graduating seniors must obtain twenty-eight (28) credits in academic subjects. Students will not be socially promoted to the next grade level. A student must earn six (6) credits to become a sophomore, twelve (12) to become a junior, and twenty (20) to become a senior. Exceptions may apply in transfer situations. No student will be allowed to graduate early. In extreme cases, a student may petition the Board of Education if he/she needs to graduate early.
- Credits earned in excess of those required in specific categories become elective credits.
- Any course that doesn't apply toward a core graduation requirement is an elective credit.
- Credits cannot do "double duty". They can only be applied in one area and can only fulfill the credit amount as specified.
- One subject (per semester) may be taken pass/fail if arranged by the stated deadline with a counselor and teacher signature (cannot be a required class). Passing the class does not count in computing grade point averages but does earn credit. However, if a pass/fail course is failed, the "F" counts in the GPA.
- Service Learning, Mentor Program, Freshman Seminar and Co-Op Work Experience are only offered on a pass/fail basis and will not count as the one allowed pass/fail course (if one of these classes is failed, the "F" will count in the GPA).
- Students may elect to audit classes if they have already earned high school credit in that subject. In addition, a student wishing to receive college credit only or high school credit only for a dual credit class may do so. This decision must be made by the stated deadline.
- *Subjects failed MUST be repeated if they are required courses.*

## General Information

### Attendance

Regular attendance is required for all classes. Excessive absenteeism for any reason could adversely affect a student's grade even though average or above average work is done on the days attended.

### Grade Reports

Grade reports are issued each year. Semester report cards are sent home with students and mid-term grades for each quarter are sent home with students. Exact dates for issue of these reports will be published at the beginning of each school year.

### Grading

Pana High School uses the following grading scale:

A (4.0 GPA points)	90 - 100%
B (3.0 GPA points)	80 - 89%
C (2.0 GPA points)	70 - 79%
D (1.0 GPA points)	60 - 69%
F (0.0 GPA points)	59% and below

The following grades are not used for GPA computation; although, they may affect GPA averages based on credits/grades attempted:

AUD = Audit
P = Passing
I = Incomplete (course not completed)

Note: "I" grades are changed to "F" grades if missing course work is not completed within ten days after the end of the grading period.

### Weighted Courses

There are currently over 30 classes that are considered weighted courses. The PHS weighted system adds a bonus of .01 to the completed GPA (per semester weighted course PASSED). No weight is given if the class is taken Pass/Fail or if the class is failed.

#### *Example:*

*Student receives 4 A's and 4 B's during the 1st semester of school. This would result in a GPA of 3.50.*

*If the student took 4 weighted courses the weighted GPA would now be 3.54.*

The weight system is being used to help students in the following ways:

- College entrance acceptance and scholarship competition
- Higher grade point averages and class rank
- National Honor Society averages

Please refer to the course description portion of this booklet for a complete listing of weighted courses.

### Academic Honors

The Honor Roll is published at the end of each semester. Students will be considered to have earned sufficient marks to be on the Honor Roll if they meet the following grade qualifications:

• Exceptional Honor	3.75 or higher GPA
• High Honor	3.50 - 3.74 GPA
• Honor	3.00 - 3.49 GPA

### Valedictorian and Salutatorian Recognition

The Valedictorian and Salutatorian are academic honors based on the cumulative grade point average of the eight semesters of high school. The Valedictorian is the graduate(s) with the highest cumulative grade point average who satisfies the criteria and the Salutatorian is the graduate(s) with the second highest cumulative grade point average who satisfies the criteria.

### National Honor Society

The Pana Chapter of the National Honor Society requires that junior or senior students must have a cumulative GPA of 3.5 to be eligible. Those students, who are determined to be academically eligible, are then evaluated by the faculty to determine if the student meets additional criteria based on scholarship, service, character, and leadership. Once accepted into NHS, a student must maintain the 3.5 GPA or they will be removed.

## Final Exams

1. All students must take Final Exams in all classes unless he/she receives two (2) nine week grades of "F" in any one class.
2. Each nine week period is 40% of the final grade, and the final exam is worth 20%.
3. Seniors may opt out of a FIRST SEMESTER final exam (if not a dual credit class or graduation requirement) if they Meet/Exceed the State Standards in all areas on the PSAE Test. Seniors may opt out of a SECOND SEMESTER final exam (if not dual credit class or graduation requirement) if they have an "A" average for the semester in that class and have NO unexcused absences and NO outstanding detentions.
4. Students who have been taken out of physical education for driver education will be required to take the final exam in P.E. Question's covered during their absence will not be counted against them.
5. A student purposely missing exams will be given a "0" (zero).

## Dual Credit Classes

Students may elect to earn high school and college credits at Pana High School by registering for a college course through Lake Land College (LLC). These courses will be taught during the day. It should be noted that not all colleges accept dual credit classes - consult the admissions office at the college or university you plan to attend for specifics.

All dual credit classes are weighted IF they are transfer level courses (100 or above). A book fee of \$8.00 per semester hour will be assessed for dual credit classes. This fee is determined by LLC and may change each academic year. Math and English classes require a pre-determined score on the ACT test (offered in April at the high school) for college credit. Those students not meeting the pre-determined score may take the Lake Land assessment test in August to qualify for Dual Credit. Students who do not pass into the classes may still take the classes for high school credit only and will still be assessed the book fee.

To take a transfer level course, a student must be of junior standing, must have a high school GPA of "C" or better, and must demonstrate good attendance in the previous year (10 or fewer absences). Teacher approval must be received to take a Dual Credit course if the student does not meet the attendance policy. In addition, students must maintain an LLC GPA of "C" to continue enrollment in the program. To take career/technical courses, the same standards apply. However, students may apply for an "exception" by completing a wavier form available from the high school guidance counselor.

*Because the Illinois Community College Board requires instructors to certify the attendance of students by midterm, instructors have the prerogative of removing college credit due to excessive absences. Pana High School has determined excessive to be over 3 absences in a given course.*

Students taking Internet classes need to realize that these classes follow the college schedule and may start before Pana High School is in session. Internet classes charge full tuition and the student will be responsible for one-half of the bill (full tuition if the class is dropped after the deadline). Also, there will be limited opportunities to drop these classes once enrolled. Students dropping the course after December 1st (first semester ) or after May 1st (second semester) **will be required to pay full tuition for the course and will receive a "F" on their report card for the class.** Students may only enroll in two (2) internet classes per semester during the school day. Juniors and seniors may take these courses if approved by a counselor. The attendance policy and minimum GPA requirements are enforced for Internet classes as well. Students taking college classes outside of the scope of the school day must submit their grade(s) to the guidance office upon completion of the course to receive high school credit.

## Illinois High School Association (IHSA) Activities

Pana High School belongs to the South Central Conference and the Illinois High School Association (IHSA). PHS participates in boys football, golf, basketball, baseball and track and girls golf, volleyball, basketball, bowling, softball and track, and co-ed competitive cheer. An eligibility list is compiled on Thursday before the first athletic contest and each Thursday thereafter. A student failing two (2) or more subjects will be ineligible for all contests the following week until a new eligibility list is received. In addition, a student must be passing seven (7) of his/her subjects at the semester to be eligible for the next semester's activities.

## Extra-Curricular Activities

Below is a list of some of the activities PHS offers to the student body. We strongly encourage students to get involved in an activity in order to build character, leadership skills and their high school resume.

Art Club	Band
Choir	Cheerleading (Football)
FFA	Foreign Language Club
Honor Guard	National Honor Society
Scholastic Bowl	Fall/Spring Play
Student Council	Yearbook Staff
Intramural Basketball	Intramural Bowling
Intramural Volleyball	Prom Committee
Model UN	Flag Squad

## PSAE/ACT Testing

State law requires that all students take the Prairie State Achievement Exam (PSAE) exam in order to receive a standard diploma. The PSAE measures the achievement of grade 11 students in reading, mathematics, science, and writing. The PSAE includes three components: (1) the ACT Plus Writing, which includes the ACT battery of four multiple-choice tests (English, mathematics, reading, and science) and a 30-minute constructed-response writing test; (2) an ISBE-developed science assessment, and (3) two WorkKeys assessments (Applied Mathematics and Reading for Information). The ACT is the college entrance exam most widely used by colleges and universities throughout the United States. The PSAE exam is given to all juniors free of charge in April.

## Career Cruising

Career Cruising is a "complete guidance system" that combines extensive information regarding careers with appropriate educational pathways, as well as resources for higher education and training. This tool is used throughout the district and is developmentally suitable for high school students. Log in at [www.careercruising.com](http://www.careercruising.com)

User Name: pana  
Password: panthers



### **National Career Readiness Certificate**

The National Career Readiness Certificate, issued by ACT, is a work-related skills credential. The Certificate provides proof of job skills for employers nationwide. It is composed of three WorkKeys assessments that measure skills critical to on-the-job success: Applied Mathematics, Reading for Information, and Locating Information. PHS students take the Applied Mathematics and Reading for Information assessments as a component PSAT their junior year. During their senior year, students have the opportunity to take (free of charge) the Locating Information assessment.

The certificate is awarded at four levels based on student performance on the assessments:

- Bronze level - scores at least a level 3 in each of the three core areas and has the necessary foundation skills for 35% of the jobs in the WorkKeys database
- Silver level - scores at least a level 4 in each of the three core areas and has the necessary foundation skills for 65% of the jobs in the WorkKeys database
- Gold level - scores at least a level 5 in each of the three core areas and has the necessary foundation skills for 90% of the jobs in the WorkKeys database
- Platinum level - scores at least a level 6 in each of the three core areas and has the necessary foundation skills for 99% of the jobs in the WorkKeys database.

WorkKeys is a program recognized by employers and education entities nationwide. WorkKeys assessment results and certificates can help students find job opportunities where they live. The certificate is designed to complement other traditional credentials, such as high school diploma, community college degree, or college degree. While these education credentials mark the fulfillment of individual classroom learning experience, the certificate confirms a student's competence in a specific set of workplace skills.

### **Partnerships for College and Career Success**

Students who complete identified articulated high school courses and meet all required learner outcomes in the individual PCCS agreement will be granted college proficiency credits through Lake Land College. All proficiency credit will be awarded only after the student has been accepted and enrolled at Lake Land College. Pana High School students can earn articulation certificates in the following areas:

Accounting  
Administrative Assistant (Legal/Medical)  
Agriculture Power Technology  
Agriculture Professional Custom Application  
Agriculture Business & Supply  
Agriculture Production & Management  
Associate Degree Nursing  
Building Construction Technology  
Civil Engineering Technology  
Computer Aided Design  
Dental Hygiene  
Desktop Publishing & Design  
Early Childhood Education  
Electronic Engineering Technology  
Horticultural Production & Landscape  
Human Services - Health Concentration  
Information Technology  
John Deere Tech  
Marketing & Management  
Paramedical Services  
Physical Therapist Assistant  
Practical Nursing  
Radiological Technician

### **Registration Process**

Registration for each year's courses is a very important aspect of the high school experience. Students should plan their school program with a great deal of serious thought because the courses chosen will play an important part in helping to decide future plans. Students are encouraged to seek assistance from parents, teachers, and principals when choosing courses.

It is important to select challenging courses in high school in order to be better prepared to meet future educational and career goals. Students should check the registration guide to see if a course has a prerequisite before selecting it. The choice of electives may lead to new interest and vocational goals. Although teachers, principals, and professionals in a student's field of interest can help with advice in choosing courses, *the final responsibility for course selection rests entirely with students and their parents or guardians.* If in doubt about anything, ask.

### **What's Important about High School Performance for Post-Secondary Education and Employment?**

- Taking challenging courses assists in the increased learning and academic growth demands. Colleges and universities seek students who take challenging courses through the end of their senior year. While a high school grade point average is important, colleges want to see that a student took challenging and rigorous courses throughout his/her high school years.
- School grades are important as they indicate the level of student achievement. College, technical colleges, and employers require that students have the necessary background skills for further learning and training. Employers are interested in high school accomplishments.
- There is a strong correlation between poor attendance and low grades. Employers check on students' high school attendance records because people with good high school attendance generally have good attendance at work.
- Proper relationships are an important factor in contributing to academic success. It is important to maintain good relationships with other students, teachers and support staff.
- Research studies have shown that students who participate in school and community activities tend to have better attendance, better grades and get along better with fellow students, teachers and Administrators. You are encouraged to make the most of your high school career by getting activity involved.

PHS makes every effort to give students the courses they choose. However, due to course enrollment and staffing availability, students may not get registered for each class they choose. Please be sure to make alternate course selections.

### **Schedule Changes**

Classes are selected as part of a plan to achieve personal, educational, or career goals. Class changes should be consistent with the student's responsibility and commitment to follow through with the course selections.

1. No student requests for 1st semester schedule changes will be accepted once school begins. All 1st semester schedule changes must occur during school registration.
2. Requests for 2nd semester schedule changes will be accepted during the 2nd through 4th day of the semester. Schedule changes require the permission of the counselor, parents, and teachers involved (if signature/approval is required).

*Changes will be considered for the following reasons only:*

- Need to take a graduation requirement
- Inappropriate skill level/placement
- Lack of prerequisite
- Taken and received credit previously
- Mechanical error (i.e. missing periods, double schedule periods)

## AGRICULTURE OCCUPATIONS

**INTRODUCTION TO AGRICULTURE INDUSTRY** 18001A001  
(9, 10, 11) 2 semesters  
**Prerequisite:** None  
Meets 1.0 Elective credit.

An introductory course that provides an opportunity for students to learn about the agriculture industry. The economic importance and history of agriculture are emphasized and related to career opportunities in agriculture. Major topics discussed are leadership (FFA), employability, careers and trends in agriculture. Basic concepts in the areas animal science, plant science, natural resources, biotechnology, agribusiness management, micro-computer applications, horticulture and agriculture mechanics are introduced. Students are encouraged to participate in FFA activities.

**BASIC AGRICULTURAL SCIENCE** 18003A001  
(10, 11, 12) 2 semesters  
**Prerequisite:** Successful completion of Introduction to Agriculture Industry  
Meets 1.0 Science or Elective credit.

This orientation course builds on basic skills and knowledge gained in the Introduction to the Agricultural Industry course. Major units of instruction include agricultural research, biotechnology, and the various aspects of the animal industry. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

**SCIENCE APPLICATIONS IN AGRICULTURE**  
18051A002/18101A001  
(9, 10, 11, 12) 2 semesters  
**Prerequisite:** None  
Meets 1.0 Science or Elective credit.

This course integrates basic biological and technological concepts with principles of agricultural production. Students learn science principles by "hands on" applied agricultural exercises. Major agricultural areas included are: 1) natural resource management, pollution, water quality, wildlife; management and aquaculture; 2) integrated pest management; 3) plant structures, growth and reproduction; 4) ornamental use of plants; 5) animal anatomy (including dissections); 6) nutrition; 7) genetics. Students are encouraged to participate in FFA activities.

**AGRIBUSINESS MANAGEMENT** 18201A001  
(11, 12) *Dual Credit, Weighted* 2 semesters  
**Prerequisite:** None  
Meets .5 Consumer Education credit or 1.0 Elective credit.

This course will provide students with the basic knowledge and skills necessary to manage personal finances and develop into a successful entrepreneur and/or businessperson. Topics include: business ownership types, starting an agribusiness, managing and operating an agribusiness, financing an agribusiness, managing personal finances, record keeping and financial management, local, state, and federal taxes, sales and marketing, economic principles, and developing employability skills. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

\* Refer to Dual Credit attendance policy on pg. 6

**AG CONSTRUCTION & TECHNOLOGY I** 18402A001  
(11, 12) 2 semesters  
**Prerequisite:** None  
Meets 1.0 Elective credit.

The first semester of this course gives students an opportunity to explore theory and practical applications of basic electricity, wiring, electrical motors and controls. Students will have ample opportunity to practice wiring skills by diagramming and completing related laboratory exercises. The course gives the students the opportunity to explore and develop skills needed in planning, laying out and constructing agricultural structures. Students are encouraged to participate in FFA activities. (*alternate years*)

**AG CONSTRUCTION & TECHNOLOGY II** 18402A001  
(11, 12) 2 semesters  
**Prerequisite:** None  
Meets 1.0 Elective credit.

During the first semester of this course students will develop safe working practices with hand and power tools. Students will learn hands-on while working with dry wall, plaster and paints. Students will learn to perform basic plumbing skills and study concrete, forms and finishing. Students will also study numerous fasteners and hardware items. Students are encouraged to participate in FFA activities as well as an SAE project. (*alternate years*)

**AGRICULTURAL MECHANIZATION AND TECHNOLOGY I** 18401A001  
(11, 12) 2 semesters  
**Prerequisite:** None  
Meets 1.0 Elective credit.

This course is designed to develop the student's knowledge and skills in agricultural mechanization and technology. Instructional areas include agricultural safety, small gas engines, multicylinder engines, power transfer systems, engine preventive maintenance, electrical systems, brakes, bearings, and welding. *Students will be required to provide safety glasses, welding gloves, and proper clothing for welding as approved by the instructor.* Students are encouraged to participate in FFA activities. (*alternate years*)  
A \$15.00 shop fee will be assessed.

**AGRICULTURAL MECHANIZATION AND TECHNOLOGY II** 18402A001  
(11, 12) 2 semesters  
**Prerequisite:** None  
Meets 1.0 Elective credit.

This course is designed to further develop the student's knowledge and skills in agricultural mechanization. Instructional areas include agricultural safety, combines, hydraulics, machinery preventive maintenance, structural maintenance, chemical application safety, chemical application equipment and advanced welding. *Students will be required to provide safety glasses, welding gloves, and proper clothing for welding as approved by the instructor.* Students are encouraged to participate in FFA activities. (*alternate years*)  
A \$15.00 shop fee will be assessed.

\* Agricultural course descriptions continued on next page

**SUPERVISED AGRICULTURAL EXPERIENCE PROGRAM** 1837A000  
(9, 10, 11, 12) 1 semester  
**Prerequisite:** Must obtain teacher approval for P/F credit.  
Meets .5 Elective credit.

This occupational related activity is the supervised experience component of the approved agricultural program sequence. The student must maintain project(s) approved by the instructor. Project(s) require supervised study, recordkeeping, training plans and agreements. In addition, the student must be active, as defined by the instructor, in the FFA organization. *This is an independent study course which is taken Pass/Fail.*

**HORTICULTURAL PRODUCTION AND MANAGEMENT** 18052A001  
(11, 12) 2 semesters  
**Prerequisite:** None  
Meets 1.0 Elective credit.

This course is designed to develop the student's knowledge and skills in horticultural production. Topics include: basic plant science, plant propagation, greenhouse management, soils, growing media, fertilizer, chemicals, pest management, container grown plants, vegetable gardens, flower gardens, shrubs and trees. Students are encouraged to participate in FFA activities.

**LANDSCAPING AND TURF MANAGEMENT** 18054A001  
(11, 12) 2 semesters  
**Prerequisite:** None  
Meets 1.0 Elective credit.

This course is designed to develop the student's knowledge and skills in landscaping and turf management. Topics include: establishing needs and analyzing the site; choosing construction materials and structures; selecting trees, shrubs, and flowers; designing public and living areas; producing and managing plants used for outdoor planting; controlling insects, weeds and diseases, lawn and turfgrass establishment and maintenance. Students will have the opportunity to develop computer landscape designs. Students are encouraged to participate in FFA activities.

**WELDING I** 18402A001  
(11, 12) 1 semester  
**Prerequisite:** None  
Meets .5 Elective credit.

This course emphasizes safety and equipment maintenance. It is designed to provide students with "hands on" learning experiences in brazing, oxy-acetylene cutting, plasma cutting and flat arc welding. Students will be required to provide safety glasses, welding gloves, and suitable welding clothing as approved by the instructor.  
*A \$15.00 welding fee will be assessed.*

**WELDING II** 18402A001  
(11, 12) 1 semester  
**Prerequisite:** Welding 1 or consent of instructor  
Meets .5 Elective credit.

This course is designed to develop arc welding, pipe welding, and flat position MIG welding skills. Students will be required to provide welding gloves, safety glasses, and suitable welding clothing as approved by the instructor.  
*A \$15.00 welding fee will be assessed.*

**WELDING III** 18402A001  
(12) 1 semester  
**Prerequisite:** Welding I and II and certification by instructor  
Meets .5 Elective credit.

This course is designed to develop advanced ARC, MIG and pipe welding skills. Students will be expected to make projects at their own expense. Students will be required to provide welding gloves, safety glasses, and protective clothing as approved by instructor.  
*A \$15.00 welding fee will be assessed.*

**WELDING IV** 18402A001  
(12) 1 semester  
**Prerequisite:** Welding III and certification by instructor  
Meets .5 Elective credit.

This course is designed to develop stainless steel, aluminum, TIG welding, and production welding skills. Students will be expected to make projects at their own expense. Students will be required to provide safety glasses, welding gloves, and suitable welding clothing as approved by the instructor.  
*A \$15.00 welding fee will be assessed.*

**ART DEPARTMENT**

**INTRODUCTION TO ART** 05154A000  
(9, 10, 11, 12) 2 semesters  
**Prerequisite:** None  
Meets 1.0 Elective credit.

Visual art from the Stone Age to the present, drawing to ceramics, and elements and principles of design will all be covered. This class is the beginning class needed for advancement to higher level studio classes.

**CRAFTS** 05165A000  
(10, 11, 12) 1 semester  
**Prerequisite:** None  
Meets .5 Elective credit.

Two- and three-dimensional crafts from kits and instructions as well as students own creative ideas will be covered. Craftsmanship, composition and the ability to follow directions will be stressed. This is a wonderful class for people thinking of being activity directors, youth directors and club leaders.

**DRAWING & PRINTMAKING** 05156A000  
(10, 11, 12) 1 semester  
**Prerequisite:** Successful completion of Intro to Art  
Meets .5 Elective credit.

This is a studio class for the development of two-dimensional work. Students will work with pencil, charcoal, pen and ink, scratchboard, and printmaking techniques. *(alternate years)*

**PAINTING** 05157A000  
(10, 11, 12) 1 semester  
**Prerequisite:** Successful completion of Intro to Art  
Meets .5 Elective credit.

This is a studio class for the development of painting techniques. Student will be producing work using these techniques and mediums. *(alternate years)*

**\* Art department course descriptions continued on next page**

**CERAMICS** 05159A000  
(10, 11, 12) 1 semester

**Prerequisite:** Successful completion of Intro to Art  
**Meets .5 Elective credit.**

This is a studio class in which students will learn terminology and technique. The student will work in hand-building and throwing on the wheel. The student will also produce sculptures. (*alternate years*)

**SCULPTURE** 05158A000  
(10, 11, 12) 1 semester

**Prerequisite:** Successful completion of Intro to Art  
**Meets .5 Elective credit.**

This is a studio class in which students will learn terminology and technique. The student will use a variety of mediums to produce sculptures. Balance and form will be stressed. Art and artists will be studied. (*alternate years*)

## BUSINESS DEPARTMENT

**KEYBOARDING AND FORMATTING** 12005A001  
(9, 10, 11, 12) 1 semester

**Prerequisite:** None  
**Meets .5 Computer Technology credit and .5 Keyboarding credit beginning with class of 2014**

This semester course is designed to build skill in using the keyboard on the computer. Application and keyboard techniques are studied first, followed by skill building, composition at the keyboard, personal letters, memos, reports, etc. This course is for those wishing to attain basic keyboarding skills for personal use, as well as for those wishing to complete the prerequisite for other computer courses.

**COMPUTER AND SOFTWARE APPLICATIONS** 10004A001  
(9, 10, 11, 12) 1 semester

**Prerequisite:** Strongly recommend a "C" or better in Keyboarding.  
**Meets .5 Computer Technology credit and .5 Computer Application credit beginning with class of 2014.**

A one (1) semester course that familiarizes the student with Office 2007, an integrated application software package capable of performing word processing, data base, spreadsheet functions using Office 2007.

**COMPUTER FOUNDATIONS SPE** 12005A001/1000A001  
(9, 10, 11, 12) 2 semesters

**Prerequisite:** Special Education Eligibility  
**Meets .5 Computer Technology credit and .5 Keyboarding credit beginning with class of 2014**

This two semester course is designed to build skill in using the keyboard on the computer. Application and keyboard techniques are studied first, followed by skill building, composition at the keyboard, personal letters, memos, reports, etc. Students work at their own pace as they move from keyboarding skills to computer work within Office 2007.

**BUSINESS AND TECHNOLOGY CONCEPTS** 12001A001  
(9, 10) 2 semesters

**Prerequisite:** None  
**Meets 1.0 Elective credit.**

During the first semester of this year long course students will be introduced to the U.S. business environment and economics with a brief look at International Business. Second semester will familiarize students with being good consumers and maintaining personal finances.

**MEDIA I** 10201A001  
(10, 11, 12) 1 semester

**Prerequisite:** Keyboarding and Computer Applications  
**Meets .5 Elective credit.**

Learn to make videos in Movie Maker, edit photos in Photoshop, record and edit sound files in Audacity, design web pages in Dreamweaver, create flash animations and PowerPoint presentations in this one semester class designed to introduce you to various multimedia software. No more HTML codes for web page!! *This class is a prerequisite to all other Media classes. (Limited to 18 seats)*

**MEDIA II** 10201A001  
(10, 11, 12) 1 semester

**Prerequisite:** Media I  
**Meets .5 Elective credit**

Building on the basics from Media I we will further explore the multimedia software introduced in the Media I course. This class takes a more in-depth look at what you can do with the various programs and how to combine them to create a variety of multimedia projects. (*Limited to 20 seats*)

**MEDIA III** 10202A002  
(11, 12) 1 semester

**Prerequisite:** Media II  
**Meets .5 Elective credit**

This class is an introduction to video editing with an emphasis on different recording scenarios. Exploration of lighting, proper equipment selection, comparison of video recorders, as well as screen casting will be explored.

**MEDIA IV** 10202A002  
(11, 12) 1 semester

**Prerequisite:** Media III  
**Meets .5 Elective credit**

This class is the final semester in the Media program which will be a projects based approach. You will be working on your own project independently as well as partnering with members of the community and school district to design and create various multimedia projects.

**RECORDKEEPING** 12007A001  
(10, 11, 12) 1 semester

**Prerequisite:** None  
**Meets .5 Elective credit.**

This course provides a wide range of meaningful business problems at a level most students can understand. Realistic business papers and forms are used to aid students in developing skills and knowledge for simple clerical jobs. Basic recordkeeping skills, budget records, checking account records, and petty cash records are covered.

**\* Business course descriptions continued on next page**

**PRACTICAL SOFTWARE APPLICATIONS (CIS 160)** 10005A001  
 (11, 12) *Dual Credit, Weighted* 1 semester  
**Prerequisite:** None  
Meets .5 Elective credit.

This course provides an opportunity for the student to work with various types of software from the Microsoft Office Suite including: Word, Excel, PowerPoint and Access. Includes the concepts and terminology related to the people, equipment, and procedures of information processing as well as skill development in the use of information processing equipment.

\* Refer to Dual Credit attendance policy on pg. 6

**ACCOUNTING I** 12104A001  
 (11, 12) 2 semesters  
**Prerequisite:** None  
Meets 1.0 Elective credit.

It is recommended that business majors take the course, but is not limited to them. All students are encouraged to study the subject as a useful tool in their personal lives. Emphasis is placed on accounting theory and application through problems online via Alpia. **Internet access outside of school is required** to complete units of study including journalizing, posting to ledgers, financial statements, period-end closing, banking and payroll for service proprietorships and merchandising corporations. *Students interested in the field of Accounting are encouraged to take Accounting I as a junior so that they may take Accounting II as a senior.*

**ACCOUNTING II** 12104A002  
 (12) *Weighted* 2 semesters  
**Prerequisite:** Accounting I  
Meets 1.0 Elective credit.

A skill level course that builds upon the foundation established in Accounting I. The course is designed to help students develop deeper knowledge of the principles of accounting, using a microcomputer to process accounting data. It will cover general ledger, accounts receivable, accounts payable, payroll, departmentalizing accounting and depreciation statement analysis.

**INTRODUCTION TO BUSINESS (BUS 142)** 12051A000  
 (11, 12) *Dual Credit, Weighted* 1 semester  
**Prerequisite:** None  
Meets .5 Elective credit.

Covers the objectives, organization and role of business in the free-enterprise system. The course is designed to provide an overview of the field of business and to provide a framework into which specialized fields may be studied. \* Refer to Dual Credit attendance policy on pg. 6

**PRINCIPLES OF MANAGEMENT (BUS 251)** 12053A001  
 (11, 12) *Dual Credit, Weighted* 1 semester  
**Prerequisite:** None  
Meets .5 Elective credit.

Covers organizational structure, policies and objectives, leadership techniques, management teamwork, communications, delegation of authority, methods improvement, job design, rules and disciplinary policies, motivation and morale, employee recruitment and selection procedures training and orientation, and employee evaluations. *(alternate years)*

\* Refer to Dual Credit attendance policy on pg. 6

**PRINCIPLES OF MARKETING (BUS 247)** 12001A001  
 (11, 12) *Dual Credit, Weighted* 1 semester  
**Prerequisite:** None  
Meets .5 Elective credit.

Covers the selection of target markets; the controllable variables of the marketing mix including product, place, price and promotions; and the uncontrollable variables including legal environment, economic environment, resources, and objects, cultural environment, and the existing business structure. *(alternate years)*

\* Refer to Dual Credit attendance policy on pg. 6

**CONSUMER EDUCATION** 22210A000  
 (11) 1 semester  
**Prerequisite:** None  
Meets .5 Consumer Education credit.

This course is the study of the American economic system, how it operates, and how we depend on it. Learning experiences focus on the basic economic principles that are essential to the students so that they may participate intelligently as citizens, consumers, producers, and managers. These basic economic principles are applied in such learning units as planning and decision making, budgeting, buying the basics, finding and equipping a place to live, and providing financial security. The text for this course is supplemented with a workbook, and also, outside information which contributes to topic coverage.

**CONSUMER EDUCATION SPE** 22210A000  
 (11) 1 semester  
**Prerequisite:** Special Education Eligibility  
Meets .5 Consumer Education credit.

This course is the study of like skills enabling students to be better prepared for their adult life. It includes learning units on maintaining a healthy life style including nutrition and fitness, finding and maintaining a household, financial responsibilities, career planning, employment and postsecondary education

**COOPERATIVE OFFICE EDUCATION (CO – OP)** 22153A001  
 (12) 2 semesters  
**Prerequisite:** None  
Meets .5 Consumer Education or 1.0 Elective credit.

Students will be placed in a paid or unpaid work position (depending on employer) for one period each day, or two periods every other day, and take a co-op class every other day. Students must provide their own transportation as well as proof of medical and automobile insurance. Students will NOT be permitted to work for any family members during this time. Written training agreements and individual student training plans will be developed and agreed upon by the employer, student and coordinator. Classroom instruction focuses on providing students with job survival skills, career exploration skills related to the job, and Improving students' abilities to interact positively with others. Areas of emphasis will include: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organizations and job termination.

**STEP 1 CLASSWORK SPE** 22151A000  
 (10, 11, 12) 2 semesters  
**Prerequisite:** Special Education Eligibility  
Meets 1.0 Elective credit.

This class is structured around career planning. The text is complete with career talk about today's workplace and exploring careers, planning careers along with inventories of understanding yourself in choosing a career in the work place.

\* **Business course descriptions continued on next page**

**STEP 2 CLASSWORK SPE** 22151A000  
(11, 12) 2 semesters

**Prerequisite:** Special Education Eligibility  
Meets 1.0 Elective credit.

Students in this course will focus on materials that will provide information on finding, applying and interviewing for a job. The student will continue to learn how to gain skills that are important at school and work, and skills needed to plan for their future.

**STEP WORK 1 & 2 SPE** 22151A000  
(11, 12) 2 semesters

**Prerequisite:** Special Education Eligibility  
Meets 1.0 Elective credit.

Students in this course are eligible to earn credit while working for a maximum of one block period per day. Students must maintain attendance, behavior and meet school prerequisites before work hours can be schedule.

**IT ESSENTIALS I: PC HARDWARE AND SOFTWARE** 10254A000  
(11, 12) 2 semesters

**Prerequisite:** None  
Meets 1.0 Elective credit.

This course introduces students to information technology and data communications. Students will develop the necessary skills to enter this field by building a computer, installing the operating system, adding peripherals, connecting the computer to a local area network and to the Internet. This is a hands-on, lab-oriented course that stresses laboratory safety and working effectively in a group environment.

## ENGLISH DEPARTMENT

**ENGLISH I** 01051A000  
(9) 2 semesters

**Prerequisite:** None  
Meets 1.0 English credit

The primary objective is communicating effectively. Appreciation of literature will be gained through the study of short stories, novels, drama, and mythology. By discussing, listening, vocabulary building, writing, spelling, and using library facilities, an interest in and appreciation for literature and reading in general will be fostered. A general study of grammar is included in this course.

**BASIC ENGLISH I** 01009A000  
(9) 2 semesters

**Prerequisite:** None  
Meets 1.0 English credit

This remedial course is for students who have below average scores or performance in eighth grade language arts classes or have been recommended by their language arts teacher(s). The course will stress basic communication and writing skills, with special emphasis on grammar and vocabulary. *Students who pass this class with an A or B will need recommendation of teacher to take English II.*

**ENGLISH I SPE** 01009A000  
(9) 2 semesters

**Prerequisite:** Special Education Eligibility  
Meets 1.0 English credit

This course is designed to provide instruction in grammar, vocabulary development, reading comprehension and writing structure. Journal writing is emphasized. Each semester's literature choices will revolve around a central theme and will vary each semester. In addition to literary study, the student will be introduced to poetry, drama, and fiction. Students will learn and apply basic literary terms in expository writing.

**ENGLISH II** 01002A000  
(10) 2 semesters

**Prerequisite:** None  
Meets 1.0 English credit

This course covers a basic review of the parts of speech, sentence parts, and correct usage in addition to an in-depth study of verbal phrases and dependent clauses. It includes systematic coverage of vocabulary and speech skills. Reading comprehension is emphasized in the study of short stories, drama, and the novel. Students experience Shakespeare with a study of Julius Caesar. Students will compose at least three (3) essays and one (1) 5-7 page research paper in standard MLA format.

**BASIC ENGLISH II** 01009A000  
(10) 2 semesters

**Prerequisite:** None  
Meets 1.0 English credit

Like Basic English I, this course is intended for the remediation of basic English skills. It will focus on writing (including 5 basic essay forms), reading, and oral communication that will prepare students for work and taking the Prairie State Assessment Exam. *Students who pass this class with an A or B will need recommendation of teacher to take English III.*

**ENGLISH II SPE** 01009A000  
(10) 2 semesters

**Prerequisite:** Special Education Eligibility  
Meets 1.0 English credit

This course is designed to provide instruction in grammar, vocabulary development, reading comprehension and writing structure. Journal writing is emphasized. Each semester's literature choices will revolve around a central theme and will vary each semester. In addition to literary study, the student will be exposed to poetry, drama, and fiction. Students will learn basic literary terms and practice textual analysis through writing and in-class discussion.

**ENGLISH III** 01054A000  
(11) *Weighted* 2 semesters

**Prerequisite:** Must have a "B" average or written permission from their sophomore English teacher.  
Meets 1.0 English credit

This course, designed for the college-bound student, covers reading comprehension and analysis of classic American literature, with emphasis on the works, styles and contributions of prominent authors. Practice in both informal writing and critical essays based on the literature is included. The MLA-style research paper technique is taught. Formal presentation will be given on the research paper. Systematic vocabulary study and daily practice with standard grammatical usage forms are required.

**BASIC ENGLISH III** 01054A000  
(11) 2 semesters  
**Prerequisite:** None  
Meets 1.0 English credit

This course includes reading and comprehension and a basic approach to grammar review. Fundamental speech techniques must be demonstrated by presenting one or more speeches. American literature is studied. Two projects are required, including sources.

**ENGLISH III SPE** 01009A000  
(11) 2 semesters  
**Prerequisite:** Special Education Eligibility  
Meets 1.0 English credit

This course is designed to provide instruction in grammar, vocabulary development, reading comprehension and writing structure. Journal and essay writing is emphasized. Each semester's literature choices will revolve around a central theme and will vary each semester. In addition to literary study, the student is expected to analyze poetry, drama, fiction, and non-fiction. Students will apply basic literary terms and practice textural analysis through writing and in-class discussion. Students in English 3 will be responsible for analyzing a dramatic work (play) and applying the central themes and conflicts to their own lives.

**BASIC ENGLISH IV** 01102A000  
(12) 2 semesters  
**Prerequisite:** None  
Meets 1.0 English credit

This course is appropriate for students entering the workforce directly after high school or shortly after. The class focuses on English skills related to the world of work, such as reading help wanted ads, writing letters of applications, and filling out time cards. Throughout the course, students will research their potential careers of interests and learn various language skills to achieve success in their future careers.

**ENGLISH IV** 01052A000  
(12) 2 semesters  
**Prerequisite:** None  
Meets 1.0 English credit

This course is designed to provide instruction in grammar, vocabulary development and reading comprehension, with a focus on English (British) literature. Students will read poetry, short stories and drama, particularly *Dr. Faustus* by Christopher Marlowe and *Macbeth* by William Shakespeare. Students will also study the historical context of the literature.

**ENGLISH IV SPE** 01009A000  
(12) 2 semesters  
**Prerequisite:** Special Education Eligibility  
Meets 1.0 English credit

This course is designed to provide instruction in grammar, vocabulary development, reading comprehension and writing structure. Journal and essay writing is emphasized. Each semester's literature choices will revolve around a central theme and will vary each semester. In addition to literary study, the student is expected draw connections from their own experiences and beliefs to poetry, drama, and fiction. Features of English 4 include: a final research paper (research driven), a full resume, and a final interview during the second semester.

**COMPOSITION I (ENG 120)** 01103A000  
(12) *Dual Credit, Weighted* 1 semester  
**Prerequisite:** Must meet the ACT or Lakeland College placement test requirements for college credit  
Meets .5 English credit

In this course, students will study the writing process by reading essays that illustrate a variety of rhetorical strategies, analyzing writing tasks and texts, and writing, revising, and editing short essays. Intensive grammar will be included to further writing skills. Student must have a "C" to go on to Composition II.

\* Refer to Dual Credit attendance policy on pg. 6

**COMPOSITION II (ENG 121)** 01103A000  
(12) *Dual Credit, Weighted* 1 semester  
**Prerequisite:** Composition 1  
Meets .5 English credit

In this course, students will learn how to find, use, assess, and document research sources, producing an extended writing project based primarily on library research. Students also will write critical analysis based on readings in poetry, drama, and fiction. Must have a "C" for college credit.

\* Refer to Dual Credit attendance policy on pg. 6

**INTRODUCTION TO LITERATURE (LIT 130)** 01061A000  
(12) *Dual Credit, Weighted* 1 semester  
**Prerequisite:** Successful completion of Composition 1 with a "C" or better.  
Meets .5 English credit

Students will read, examine, and discuss a variety of literary works from different genres as a way to analyze and understand the value, purpose, and components of literature. The survey includes poetry, plays, short stories and fiction. Must have a "C" for college credit.

\* Refer to Dual Credit attendance policy on pg. 6

**PUBLIC SPEAKING (SPE 111)** 01151A000  
(11, 12) *Dual Credit, Weighted* 1 semester  
**Prerequisite:** None  
Meets .5 English credit

Speeches will be required throughout the entire semester, approximately one per week. The first nine weeks will emphasize speech techniques. Speeches may be recorded and video taped. The second nine weeks will emphasize speech content. The persuasive and informative speeches will require research with a bibliography. During the semester each student will be required to enter a speech contest such as the Voice of Democracy.

\* Refer to Dual Credit attendance policy on pg. 6

**CREATIVE WRITING** 01104A000  
(10, 11, 12) 1 semester  
**Prerequisite:** None  
Meets .5 Elective credit

This semester course is for students who want to improve their creative writing skills in poetry, short story, plays, and essay writing. Students will also help produce the *Panther Prowl* each month.

\* English course descriptions continued on next page

**CREATIVE WRITING 2** 01104A000  
(10, 11, 12) 1 semester  
**Prerequisite:** Creative Writing  
Meets .5 Elective credit

This semester course is a continuation of Creative Writing in that students will continue to write short fiction assignments, poetry, and drama. Major projects that comprise this course include composing a play, completing a poet project/collage, writing a folktale and a novel.

**READING & PHONICS SPE** 01068A000  
(9, 10, 11, 12) 2 semesters  
**Prerequisite:** Special Education Eligibility  
Meets 1.0 Elective credit

Phonics will provide instruction in letter sounds, root words, vocabulary enrichment, and this will increase individual phonetic skills. In reading, the class will have Literature Groups. We will be reading novels together. Each student will be required to participate in activities during class time (which includes reading out loud), and will also be required to read outside of class. Everyone will participate daily in class in order to get a grade for reading.

## FAMILY AND CONSUMER SCIENCE

**ORIENTATION TO FAMILY AND CONSUMER SCIENCE** 22201A001  
(9, 10) 2 semesters  
**Prerequisite:** None  
Meets 1.0 Elective credit

This course introduces students to the basic areas of Family and Consumer Science. Learning experiences assist students in understanding themselves and their roles in today's society. Life skills such as building relationships, building strong families, and meeting changes and challenges are covered, as well as units on clothing, sewing, and good health, nutrition, and preparing simple, nutritious foods. Family and Consumer Science related careers are also covered.

**HOME ECONOMICS SPE** 22201A001  
(9, 10) 2 semesters  
**Prerequisite:** Special Education Eligibility  
Meets .1.0 Elective credit

This course introduces students to the basic areas of family & consumer science. The learning units enable the students to understand themselves and their relationships with others, decision-making skills and setting goals, as well as the areas of nutrition and fitness, being a wise consumer, caring for children, good grooming and caring for and repairing their clothing.

**FOODS AND NUTRITION** 16054A001  
(10, 11, 12) 1 semester  
**Prerequisite:** None  
Meets .5 Elective credit

This course promotes knowledge and understanding of basic food principles and applied nutrition for people of all ages. The curriculum addresses food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health and safety needs in planning, preparing and serving food; promoting hospitality and food etiquette practices; and analyzing individual and family nutritional needs. Career information related to the foods industry is included in various units of the curriculum.

**FOODS II** 16054A002  
(11, 12) 1 semester  
**Prerequisite:** Successful completion of Foods and Nutrition or permission of instructor  
Meets .5 Elective credit

This class is designed for the advanced food student. Units will include foreign foods, meats, and specialty foods. Emphasis on time saving and low cost budget meals will be included as is table setting and manners. Careers in Family and Consumer Science will be featured during the entire course.

**CHILD DEVELOPMENT** 19052A001  
(11, 12) 1 semester  
**Prerequisite:** None  
Meets .5 Elective credit

This course provides learning experiences that help young people understand the intellectual, physical, social and emotional development of children from conception through pre-school age. The course focuses on managing and organizing child development by applying decision-making and good goal setting skills; promoting child development by applying physical, social, intellectual and emotional principles; practicing health and safety standards for children; providing experiences which encourage children to maximize resources; encouraging human relations skills in children; and evaluating family and career changes in relation to impact on children. Information and material related to careers in child care is incorporated throughout the course. Students will have the option for one weekend to experience parenting simulation using Baby Think it Over.

**CHILD CARE LAB** 19153A001  
(11, 12) 1 semester  
**Prerequisite:** Successful completion of Child Development or permission of instructor  
Meets .5 Elective credit

Concentrated study on the preschool child; physical, social, emotional and intellectual development. A unit on health and safety of preschoolers is included. A preschool is set-up by the students in early spring; four weeks with the 3-4-5 year olds. The students will recruit the children, set-up the room and space and prepare and give lessons to the preschool children.

**ADULT LIVING** 22207A001  
(11, 12) 1 semester  
**Prerequisite:** None  
Meets .5 Elective credit

This course addresses the achievement of life satisfaction through responsible participation as adults in the home, community and work place. Emphasis is placed on the development of prevention strategies which will assist individuals in responding to situations in terms of their identified values and goals. The course content includes the developing of short and long range goals, demonstrating goal-setting and decision-making skills; evaluating and adopting basic needs to assume roles and responsibilities; recognizing and following health practices that assist in coping, selecting and using resources to enhance individual growth and development; developing effective relationships to promote communication with others; and evaluating family and career changes as to the impact on individuals. Various resources to assist with life problems are explored.

\* Family & Consumer course descriptions continued on next page

**PARENTING** 22204A001  
(11, 12) 1 semester

**Prerequisite:** None  
**Meets .5 Elective credit**

Myths and realities of parenthood; readiness to parent/developmental changes in families; child abuse/neglect; human reproduction; birth control; STD's; pregnancy/birth; care of the young child; guidance/discipline/safety; toy selection; building relationship skills and decision-making; building self-esteem.

## FOREIGN LANGUAGE DEPARTMENT

**GERMAN I** 060201A000  
(9, 10, 11, 12) 2 semesters

**Prerequisite:** Students must be passing English with a "B" average or get permission from the instructor  
**Meets 1.0 Elective credit**

Students will learn German pronunciation, basic vocabulary and conversation, structure of the language, location and cultural and geographical facts about German speaking countries and peoples. A basic understanding of parts of speech and parts of a sentence, including indirect objects, is necessary.

**GERMAN II** 06202A000  
(10, 11, 12) *Weighted* 2 semesters

**Prerequisite:** Successful completion of German I  
**Meets 1.0 Elective credit**

Students will increase vocabulary and structural knowledge of the language. They will also work on oral and writing proficiency. Basic conversation will be expected, as will continued cultural studies of countries and states.

**GERMAN III** 06203A000  
(11, 12) *Weighted* 2 semesters

**Prerequisite:** Successful completion of German II  
**Meets 1.0 Elective credit**

Students will continue their study of vocabulary, culture, and structure. The emphasis will switch from grammar to conversation and writing. More cultural activities and fewer tests can be expected.

**GERMAN IV** 06204A000  
(11, 12) *Weighted* 2 semesters

**Prerequisite:** Successful completion of German III  
**Meets 1.0 Elective credit**

This course continues where German III left off with emphasis on listening, speaking, and writing. Students will communicate in German, as well as study German history and literature. Before taking this course, you should know that it is a college preparatory course, which requires more study time than a general class. You must also be proficient in English grammar (ie. know a noun from a verb, an adjective from a proposition, nominative from accusative case, etc.). You can expect to have some say in the topics studied.

**SPANISH I** 06101A000  
(9, 10, 11, 12) 2 semesters

**Prerequisite:** Students must be passing English with a "B" average or get permission from the instructor  
**Meets 1.0 Elective credit**

Learn Spanish pronunciation, basic vocabulary and conversation, structure of the language, location and cultural and geographical facts about Spanish speaking countries and peoples.

**SPANISH II** 06102A000  
(10, 11, 12) *Weighted* 2 semesters

**Prerequisite:** Successful completion of Spanish I  
**Meets 1.0 Elective credit**

Increase vocabulary and structural knowledge of the language. Work on oral proficiency through basic conversation. Also, continue cultural studies of countries.

**SPANISH III** 06103A000  
(11, 12) *Weighted* 2 semesters

**Prerequisite:** Successful completion of Spanish II  
**Meets 1.0 Elective credit**

Spanish students at this level will review grammar aspects learned in levels one and two and continue to expand Spanish vocabulary and structural knowledge. An emphasis will be placed on conversation and culture will also continue. More cultural activities will take place.

**SPANISH IV** 06104A000  
(12) *Weighted* 2 semesters

**Prerequisite:** Successful completion of Spanish III  
**Meets 1.0 Elective credit**

Continue review of Spanish grammar, especially verb tenses, in order to be ready for college proficiency tests. Spanish IV will do more reading and writing (short stories/novels) in order to increase vocabulary. Students will continue to expand conversational skills. Grades based on daily performance, cultural projects, quiz scores, and test scores. Cultural activities and studies will also continue.

**LATIN I** 06301A000  
(10, 11, 12) 2 semesters

**Prerequisite:** Students must be passing English with a "B" average or get permission from the guidance counselor.  
**Meets 1.0 Elective credit**

This course teaches students to comprehend, read and write adapted Latin using appropriate grammatical forms. They acquire a general awareness of the geography, history, daily life, myths and religious beliefs of the classical world. Students become familiar with Roman influence in our culture, language, literature and art. English derivatives and the etymology of words from Latin are studied. This course is presented online and will include taking tests, quizzes and doing homework assignments via the Internet. Audio and video files are online for student instruction as well as PowerPoint presentations. Students will need access to the Internet at home with appropriate bandwidth (56K modem) or access to the Internet from another source outside the classroom.

\* Foreign language course descriptions continued on next page

**LATIN II** 06302A000  
 (10, 11, 12) *Weighted* 2 semesters  
**Prerequisite:** Successful completion of Latin I  
**Meets 1.0 Elective credit**

Students develop a higher proficiency in comprehending, reading and writing adapted and unadapted Latin using appropriate grammatical forms. They further investigate the geography, history, daily life, myths and religious beliefs of the classical world. Students identify Roman influence in our culture, language, literature and art. English derivatives and the etymology of words from Latin are also studied. This course is presented online and will include taking tests, quizzes and doing homework assignments via the Internet. Audio and video files are online for student instruction as well as PowerPoint presentations. Students will need access to the Internet at home with appropriate bandwidth (56K modem) or access to the Internet from another source outside the classroom.

**LATIN III** 06303A000  
 (12) *Weighted* 2 semesters  
**Prerequisite:** Successful completion of Latin II  
**Meets 1.0 Elective credit**

This course contains selections from Latin authors of the Golden Age Period of Latin literature: Cicero, Catullus, Virgil, and Ovid and as such can be considered as a Pre-Advanced Placement course for either the Latin Literature AP or Vergil AP (Latin IV) course. Honors credit for the course will be at the discretion of the local academic site or unit which sponsors the student. Elements of Latin III syllabus skills will take into consideration the following student expectations which are also reflected in AP Exam preparation:

- to write a literal English translation of an unadapted Latin passage
- to explain specific words in context
- to identify and analyze noteworthy features of authors' use of imagery, figures of speech, and metrical effects
- to discuss particular motifs
- to analyze structure of a poem
- to scan meters

In addition to the skills listed above, students will be expected to become knowledgeable about the historical, cultural, and social aspects of Roman society during the Augustan Age and be able to make contemporary comparisons in writing. Students will also receive practice in writing essays requiring higher order thinking skills. This course will be presented online and will include written assignments (homework), tests, projects, special events, and essay writing practice on a regular basis. Students will need access to the Internet with appropriate bandwidth (56K modem minimum). It is suggested that the class period be scheduled in which to complete assignments offline.

**HEALTH/PHYSICAL EDUCATION/  
DRIVER EDUCATION**

**HEALTH EDUCATION** 08051A000  
 (9) 1 semester  
**Prerequisite:** None  
**Meets .5 Health credit**

Successful completion of this class is a state requirement that must be met in order to graduate from high school. The health class will cover problems facing our society both physically and mentally. Such topics as alcohol, tobacco, drug abuse, mental disorders, nutrition, heart problems, health occupations, infectious and noninfectious diseases, first-aid, and safety education will be discussed. A recent health textbook will be used as well as recent DVD's and videos through Educational Resource Network. Facts concerning AIDS, hepatitis and sexually transmitted diseases are also given to the students.

**HEALTH EDUCATION SPE** 08051A000  
 (9) 2 semesters  
**Prerequisite:** Special Education Eligibility  
**Meets 1.0 Health credit**

This course studies both mental/emotional and physical health. The learning units include emotions and mental issues, body systems, hygiene, fitness and nutrition, preventing and controlling diseases, use and misuse of substances, injury prevention and safety, and environmental health. Successful completion of this class is a state requirement.

**PHYSICAL EDUCATION** 08001A000  
 (9, 10, 11, 12) 1 or 2 semesters  
**Prerequisite:** None  
**Meets .5 Physical Education credit**

The physical education curriculum will consist of, but not limited to, the following activities: Hawaiian football, flicker ball, eclipse ball, fitness testing, ultimate frisbee, circuit training, rope jumping, roller skating, lacrosse, fishing, pickle ball, badminton, bowling, floor hockey, archery, softball, and leisure activities. It will be the physical education departments' goal to introduce as many of the above activities as possible to the students; however, due to possible time limitations, all activities may not be offered each school year. A typical physical education class is divided into two parts, fitness and activity.

**PHYSICAL ENHANCEMENT** 08009A000  
 (10, 11, 12) 1 or 2 semesters  
**Prerequisite:** Instructor approval  
**Meets .5 Physical Education credit**

The physical enhancement curriculum will allow students the opportunity to evaluate their current overall fitness, set goals based on fitness data, and develop an individual fitness plan to be implemented and carried out during the entire school year. This class will implement the following strength and endurance activities: weight training, stretching, flexibility, speed drills, form running drills, plyometrics, dot drills, and individual periods.

**CLASSROOM DRIVER EDUCATION** 08151A000  
 (9, 10) 1 semester  
**Prerequisite:** None  
**Meets .5 Driver Education Classroom credit**

The classroom phase of driver education is a pre-driving experience course which will better prepare students for the lab or practice driving phase. Students learn to understand driver-related problems and techniques prior to, and in coordination with, the lab phase in order to help them drive safely and efficiently. During this phase, students will take Rules of Road test. The classroom phase shall consist of a minimum of thirty (30) clock hours and is required by our school for graduation. There is a fee of \$20 that will be due to the Secretary of State for an instruction permit which can be obtained while in the classroom phase. Good attendance is a must in order to meet the thirty (30) clock hour requirement. Missing too many days may make it necessary to repeat the class. The maximum number which can be missed will be told to students at the beginning of the class. This will vary due to different class lengths.

**\*\* In accordance with the Illinois School Code, students will only be allowed to take Driver Education if they have passed 8 classes in the previous 2 semesters. The Driver Education coordinator will determine if an incoming freshman has met the above criteria.**

**Continued on next page**

The lab or practice driving phase of the driver education course shall consist of at least six (6) hours of real on-the-road experiences and twelve (12) hours of observation pertaining to the basics of driving which shall enable the student to continue to drive and practice with parents in a safe and efficient manner until the parents feel that the student is ready for licensing. If students receive a grade of "B" or better in the classroom and behind-the-wheel, they may be tested for their license by their driver ed instructor at his/her discretion at the end of the lab phase. It is then up to the parent to decide when to sign the road test and allow the son/daughter to get their license at the Secretary of State facility. Parents must verify that they have given their students at least fifty (50) hours of instruction in addition to their six (6) hours with their instructor.

Students must have possessed their instruction permits for at least nine months before a license can be issued. This course is not required for graduation, but successful completion is necessary in order to receive a drivers license prior to age 18 in the State of Illinois. According to Board policy, a fee of \$50 must be paid in the office and a receipt must be shown to the instructor prior to beginning the lab phase of the program.

*\*\* Students may be removed from the driving phase of this course for excessive absences.*

## INDUSTRIAL EDUCATION/TECHNOLOGY

**INTRODUCTION TO TECHNOLOGY** 13052A001  
(9, 10) 2 semesters  
**Prerequisite:** None  
Meets 1.0 Elective credit

This course is an introduction to technology and designed to provide students with the opportunity to explore the major systems of technology, communications, construction, manufacturing, and transportation. Introduction to Technology is divided into three major units of study to include the following activities: (1) communications technology, will explore drafting, graphics, computer systems, and amateur radio; (2) construction technology, will give students an opportunity to build different structures, test these structures virtually or directly, and study other forms of construction processes related to the construction field; (3) transportation technology, will provide students with another hands-on activity with the designing, building and programming of a competitive robot. This provides an understanding of power mechanics and energy use. There will be a written research report (R&D) on the construction and transportation phase of the course. Students will also study about the career choices within the major systems of technology..

*There is a lab fee of \$15.00 per semester for all students taking this course.*

**DRAFTING TECHNOLOGY I** 21102A001  
(10, 11, 12) 2 semesters  
**Prerequisite:** None  
Meets 1.0 Elective credit

Drafting Technology I course is a prerequisite to Drafting Technology II, Drafting 1A, and Wood Technology. Drafting Technology I is a course designed to help students learn technical drawing skills. Skills are used to solve problems and to communicate ideas by using accepted industrial graphic standards and practices. The course concentrates on the basic drafting concepts necessary to use both hand tools of traditional drawing, and 2-D or 3-D CAD. Drafting Technology 1 activities include: technical sketching, traditional drawing methods, computer generated drawings, and other drafting disciplines. Activities may include designing for projects such as: Bridge design, moonbuggy design or robotic structures. Students will also study about the career choices within the drafting field.

**DRAFTING TECHNOLOGY II** 21102A001  
(11, 12) 2 semesters  
**Prerequisite:** Successful completion of Drafting Technology I or Drafting IA or both  
Meets 1.0 Elective credit

This course will continue to challenge each student in the study, application of graphic standards, and the accepted practices of the graphic industry. Students will be introduced to the applications of modeling, rendering, and animation. To support this technical graphic approach to learning modeling, rendering, and animation students will use AutoCad 2009 and SOLIDWORKS. This is a technical proficiency approach to learning industrial design and illustration.

**DRAFTING IA** 21103A001  
(11, 12) *Weighted* 2 semesters  
**Prerequisite:** Successful completion of Drafting Technology I (letter grade of B or better)  
Meets 1.0 Elective credit

This course will continue to challenge the student in the Computer-Aided Design fundamentals and applications. The major areas of study will be architectural design (residential), structural drafting, electronics (electronic schematics), advanced mechanical design, and 3-D rendering. Students will also study about the career choices within the drafting field.

**WOOD TECHNOLOGY I** 13052A001  
(10, 11, 12) 2 semesters  
**Prerequisite:** Successful completion of Drafting Technology I and permission of the instructor if a sophomore  
Meets 1.0 Elective credit

The course has a requirement for all students to build a cabinet to include drawer(s), and door(s) or a fine future piece. Students may design their project or select project designed by someone else to meet the requirements of the course. The final product design will be an agreement between the student and instructor. Intermediate projects, prior to a final project, may be used to aid in learning tool use. This is a comprehensive course in woodworking processes designed to teach the proper use of hand tools, power hand tools, and the safe use of stationary power machines. Students will also study about the career choices within the woodworking field.  
*There is a lab fee of \$15.00 per semester for all students plus the cost of materials to build the required wood product.*

**MOONBUGGY** 21102A001  
(10, 11, 12) 2 semesters  
**Prerequisite:** None  
Meets 1.0 Elective credit

This is a NASA Science Technology Engineering Mathematics (STEM) course designed to develop the student's knowledge and skills in design and production technology. Instructional area include shop and tool safety, technical drawing, model and prototype building, milling operations, turning operations, and welding. Includes structure systems, braking and steering systems, and safety systems development in a prototype experimental environment. *The course goal is to develop a machine capable of participating in the NASA Great Moonbuggy Race.* Students are encouraged to participate in the Moonbuggy Team.

*\* Industrial Technology department courses continued on next page*

**MECHATRONICS I** 13102A001  
 (11, 12) *Dual Credit, Weighted* 2 semesters  
**Prerequisite:** None  
Meets 1.0 Elective credit

This is a dual credit course that includes credits in Safety and Manufacturing. Through hands-on exercises and self-directed study, students practice the fundamentals of: hydraulics, pneumatics, mechanical drive systems, quality control processes, robotic programming, computer numerical control (CNC), programming, computer-aided design (CAD), electrical processes and relay logic. In the safety component, students learn and apply all aspects of safety in the workplace plus become certified in CPR. Second semester is the project-based segment. Students learn to troubleshoot, repair, and maintain a production machine. Stressing teamwork and safety, students analyze, organize, develop, and implement a plan that results in a working machine. Through the moonbuggy segment, students will solve design problems by applying CAD, CNC, hydraulic/pneumatic, and mechanical systems knowledge to achieve set parameters. Local business visitations and job shadowing experiences are included.

\* This is two semester course that meets every day from 7:45am - 9:15am at an off-campus site.

\* Student must provide own transportation.

\* Refer to Dual Credit attendance policy on pg. 6

## MATHEMATICS DEPARTMENT

**ALGEBRA** 02051A000  
 (9, 10) 2 semesters  
**Prerequisite:** None  
Meets 1.0 Mathematics credit

This course will introduce basic algebra concepts. A broad range of topics will be covered including number concepts, computation, estimation, graphing and solving equations, graphing and solving inequalities, exponents, percents, decimals, basic geometry, and measurement with applications to the real world. A brief introduction to statistics and probability is also covered. Basic math skills are practiced using a computer based program.

**PRE ALGEBRA SPE** 2 semesters  
 (9, 10, 11, 12)  
**Prerequisite:** Special Education Eligibility  
Meets 1.0 Mathematics credit

This course will introduce basic algebra concepts. A broad range of topics will be covered including number concepts, computations, estimation, graphing and solving equations, graphing and solving inequalities, exponents, percents, decimals, basic geometry, and measurement with application to the real world. Statistics and probability will also be covered. Basic math skills are practiced on a computer based program (Autoskills). Daily homework, quizzes, tests, and class participation are used to evaluate the student's progress.

**ALGEBRA I** 02052A000  
 (9, 10, 11, 12) 2 semesters  
**Prerequisite:** None  
Meets 1.0 Mathematics credit

Algebra I provides a study of fundamental operations (add, subtract, multiply, and divide) as related to real numbers, writing and solving equations and inequalities in one and two variables, polynomials and the study of factoring polynomials, rational expressions, and graphing equations and inequalities. Algebra I is a necessary prerequisite for further study in mathematics and provides a foundation for work in science and business.

**ALGEBRA SPE** 2 semesters  
 (9, 10, 11, 12)  
**Prerequisite:** Special Education Eligibility  
Meets 1.0 Mathematics credit

A study of fundamental operation (add, subtract, multiply, and divide) as related to real numbers, writing and solving linear equations and inequalities in one and two variable, and the study of polynomial, rational expressions, and graphing linear equations and inequalities. Algebra provides a foundation for work in science and business. Daily homework, quizzes, tests and class participation are used to evaluate the student's progress.

**APPLIED GEOMETRY** 02071A000  
 (11, 12) 2 semesters  
**Prerequisite:** Successful completion of Algebra I or permission of the instructor  
Meets 1.0 Mathematics credit

This course is designed to introduce geometric concepts to students in a more hands-on format. This course is intended for students who do not yet have the algebra skills necessary for success in a more formal geometry course. Topics include: properties of angles, lines, planes, figures, and solids; triangle relationships; quadrilaterals; area and volume; ratios and proportions; similar figures; triangle trigonometry.

**GEOMETRY** 02072A000  
 (9, 10, 11, 12) 2 semesters  
**Prerequisite:** Algebra 1 with a "C" or better or permission of instructor  
Meets 1.0 Mathematics credit

This course covers traditional Euclidian topics of plane and solid geometry. Units include lines and angles, triangles, polygons, congruence, similarity, circles, Pythagorean Theorem, area and volume. Students learn how to define new terms and also to think inductively. Unlike many "traditional" courses, they are asked to examine geometric situations and make their own conjectures. Students are exposed to the ideas and logic behind deductive proof. Mixed into the curriculum are algebra review, coordinate geometry, right triangle trigonometry, and some transformational geometry.

**ALGEBRA II** 02056A000  
 (10, 11, 12) *Weighted* 2 semesters  
**Prerequisite:** Geometry with a "C" or better or permission of instructor  
Meets 1.0 Mathematics credit

Emphasis in Algebra II is on both a development of computational skills and an understanding of abstract concepts. An expanded study of both linear and quadratic equations and inequalities is included, along with the use of graphing techniques to give students a visual, as well as mental, picture of solution sets. Topics of study include polynomial simplifications, factoring, the laws of exponents, the concept of function, properties of radicals, the quadratic formula, matrix theory, and introductory probability. Students are required to keep a notebook of all definitions, and examples. Daily homework, quizzes, tests, and class participation are used to evaluate the student's progress. Technology is used to enhance student learning.

\* *Mathematics department courses continued on next page*

**PRECALCULUS** 02110A000  
 (11, 12) *Weighted* 2 semesters  
**Prerequisite:** Algebra II with a "C" or better or permission of Instructor.  
*Meets 1.0 Mathematics credit*

Emphasis is placed on exponents, polynomials, factoring, quadratic functions, rational expressions, roots and radicals. A graphing calculator is required. Students' work is evaluated on the basis of quizzes, tests, class participation, and portfolios. Technology is used to enhance learning.

**ALGEBRA WITH TRIGONOMETRY (MAT 140)** 02107A000  
 (12) *Dual Credit, Weighted* 1 semester  
**Prerequisite:** Precalculus with a "C" or better or permission of Instructor. Must meet the ACT or Lakeland College placement test requirements for college credit.  
*Meets 1.0 Mathematics credit*

A unified study of the algebraic and trigonometric concepts needed for calculus. A graphing calculator is required. This class meets every day first semester. *Must meet Lake Land Assessment requirements to receive Dual Credit.*

\* Refer to Dual Credit attendance policy on pg. 6

**CALCULUS (MAT 247)** 02121A000  
 (12) *Dual Credit, Weighted* 1 semester  
**Prerequisite:** Algebra w/Trigonometry with a "C" or better or permission of instructor  
*Meets 1.0 Mathematics credit*

This course meets daily second semester. Calculus is a summary of previous studies and a preview of one of mathematics most important concepts-limits. A review of trigonometry is presented throughout the course. Differentiation and integration of algebraic functions, trigonometric functions, logarithmic functions and exponential function form the core of the material covered. Other topics are analytic geometry, curve sketching and applications to physical problems. An evaluation of the students' progress is made on the basis of quizzes, group work, chapter tests, and portfolios. Technology is an integral part of this class.

\* Refer to Dual Credit attendance policy on pg. 6

**BASIC MATH SPE** 02151A000  
 (9, 10, 11, 12) 2 semesters  
**Prerequisite:** Special Education Eligibility  
*Meets 1.0 Mathematics credit*

This class will provide instruction in basic math skills such as math facts in addition, subtraction, multiplication, and division. Calculators will be utilized in order to assist the student with skills that are not acquired in order to be successful with homework, classroom activities, and with state and local assessments. Students will be expected to participate while in class, do their homework, and work to the best of their abilities.

**CONSUMER LIFE SKILLS MATH SPE** 02157A000  
 (9, 10, 11, 12) 2 semesters  
**Prerequisite:** Special Education Eligibility  
*Meets 1.0 Mathematics credit*

This class will provide instruction in calculator usage, budgeting, wages, managing a household, buying a car, working with food, traveling, banking, paying taxes, probability, adjusting recipes, crafts, fractions in

the household, spending and earning money, traveling, watching the clock, statistics, percentages, interests, insurance, lawn care, the usage of energy, and preparing for a career. Calculators will be utilized in order to assist students with the skills that are needed to be successful with homework, classroom activities, and with state and local assessments. Students will be expected to participate while in class, do their homework, and work to the best of their abilities.

**MUSIC DEPARTMENT**

**GENERAL MUSIC** 05149A000  
 (9, 10, 11, 12) 1 semester  
**Prerequisite:** None  
*Meets .5 Elective credit*

This course will cover the elements of music (melody, harmony, rhythm, texture, timbre, structure, expression, note and figure phrase, and form), music history and style, reading music, listening and performing music, learning the role of music in society, evaluation of music, instruments, and interpretation of music, and creating music.

**MUSIC APPRECIATION: THE HISTORY OF MUSIC** 05116A000  
 (9, 10, 11, 12) 1 semester  
**Prerequisite:** None  
*Meets .5 Elective credit*

Students in this class will study the changes in musical elements throughout history in the Middle Ages, Renaissance, Baroque, Classical, Romantic and Modern Periods. The class will also discuss the influence of important historical events on musical developments. Additionally, this course covers topics such as Rock and Roll, copyright laws, electronic music, and world music. Students will also compose music using free musical software, work in small groups to research famous artists, and give presentations to each other on class topics.

**DRAMA** 05051A000  
 (9, 10, 11, 12) 1 semester  
**Prerequisite:** None  
*Meets .5 Elective credit*

This class will focus on all aspects of theater arts, including conventions of the theater, acting, theater history, varieties of drama, production guidelines, technical theater, the development of film and television, the impact of other art forms on the theater, and much more. Students will be required to perform various scenes from a variety of drama literature. Some notes required and written tests are given.

**AUXILIARY BAND - FLAG SQUAD** 08014A000  
 (9, 10, 11, 12) 1 semester  
**Prerequisite:** Audition is required  
*Meets .5 P.E. credit when combined with P.E. course 1st semester*

The flag squad spins equipment and dances as part of the marching band in the first quarter fall semester. This team travels as part of the band to competitions and performances throughout the state. These events include but are not limited to band camp, parades, concerts, music festivals, and football games. All performances and rehearsals for the band are a required part of student grades. *Will be a part of fall semester P.E. class.*

\* Music department courses continued on next page

**INSTRUMENTAL MUSIC - BAND** 05101A000  
(9, 10, 11, 12) 2 semesters  
**Prerequisite:** Teacher recommendation  
Meets 1.0 Elective credit

The Concert Band is comprised of instrumental music students in the 9-12 grades. Students in this class will perform and study a wide range of repertoire that will give formative experiences in developing individual musicianship. Students will complete technique work and reflection papers throughout the year to develop both group and instrument-specific skills. This group will perform at various civic activities as well as regularly scheduled events for the year. These events include but are not limited to band camp, parades, concerts, music festivals, football games, and basketball games. All performances and rehearsal for the band are a required part of student grades.

**VOCAL MUSIC - CHORUS** 05110A000  
(9, 10, 11, 12) 2 semesters  
**Prerequisite:** Approval of Director  
Meets 1.0 Elective credit

This course consists of students who wish to learn more about the singing technique in order to improve the sound of their own vocal instrument. This, in effect, will enhance the over-all sound of the chorus. Class time will also cover other elements of singing such as correct breathing, tone production, tonal and rhythmic memory, and some work in rhythmic and melodic notation. At times, it may be required for a student to demonstrate alone to allow the teacher to check individual part accuracy. This group will perform for various civic activities as well as regularly scheduled events for the year. The chorus sings a variety of music literature: contemporary, rock, light classical, religious, musical medleys, and traditional Christmas music. Auditions will be required for admission to chorus. Parents and students are reminded that all performances of the chorus as a unit are required and do affect the student's chorus grade (this includes concerts, PHS graduation, Variety Show, and area choral festivals). Participating in the IHSA Solo and Ensemble competition and IMEA District and State audition are optional.

## SCIENCE DEPARTMENT

**EARTH SCIENCE** 03001A000  
(9, 10) 2 semesters  
**Prerequisite:** None  
Meets 1.0 Science credit

This science is an exposition of scientific principles and concepts of the physical and biological environment in relation to the students experience. Topics covered include geology, natural resources, ecology, fossilization, weather and climate. Science is presented as an expanding body of knowledge to which the student can hope to contribute. *This course is designed for those students that plan NOT to continue in physics and chemistry.*

**GENERAL SCIENCE SPE** 03202A000  
(9) 2 semesters  
**Prerequisite:** Special Education Eligibility  
Meets 1.0 Science credit

This course includes a general study of the physical, earth, and life sciences. Learning units include metrics, matter, energy, work and machines, electricity, rocks and minerals, water, weathering and erosion, atmosphere, weather and climate, the solar system, animals and plants, and ecology.

**PHYSICAL SCIENCE** 03159A000  
(9, 10, 11) 2 semesters  
**Prerequisite:** "C" average in 8th/9th grade science and completion of Pre-Algebra  
Meets 1.0 Science credit

Physical science is a course dealing with the introductory concepts of chemistry and physics. Emphasis is placed on learning the metric system, chemicals, balancing equations, symbols, and formulas, and identifying chemical reactions. Also, covered are units dealing with the periodic table and nuclear chemistry. The main topics covered in physics are forces and energy. This course is designed for those students planning to continue in physics and chemistry.

**BIOLOGY** 03051A000  
(10, 11, 12) 2 semesters  
**Prerequisite:** Successful completion of Science Ag, Earth Science or Physical Science  
Meets 1.0 Science credit

This course is an introductory course to the study of living things. The first semester deals with topics which include ecology, taxonomy, biological principles, and biochemistry. The second semester covers the structure and function of the cell, cell division, photosynthesis, respiration, protein synthesis, and genetics. The course includes laboratories and activities.

**BIOLOGY SPE** 03202A000  
(10) 2 semesters  
**Prerequisite:** Special Education Eligibility  
Meets 1.0 Science credit

This class will provide instruction in comparing and organizing living things, classifying animals, plants, bacteria, protists and fungi, how plants and animals stay alive, how the human body systems work, reproduction, growth and development, genetics, ecology, behavior of organisms, and evolution. Evaluation will be based on projects, participation, quizzes, tests, and homework.

**CHEMISTRY** 03101A000  
(10, 11, 12) *Weighted* 2 semesters  
**Prerequisite:** "C" average in both Physical Science and Algebra 1  
Meets 1.0 Science credit

Topics to be covered in chemistry include: the metric system, atomic and molecular structure, chemical reactions and bonding, use of the periodic table, balancing equations, solutions, and acids and bases. Demonstrations and laboratories will be done consistently throughout the year. Use of a calculator and familiarity with computer will aid the student. Evaluation will be based on tests, quizzes, homework, and laboratory work.

**CONCEPTS OF CHEMISTRY (CHM 111)** 03102A000  
(11, 12) *Dual Credit, Weighted* 2 semesters  
**Prerequisite:** "C" average in Chemistry  
Meets 1.0 Science credit

This course will build in depth and breadth on topics from first year chemistry, as well as introducing some new topics. Topics include: gases, solutions, molecular structure and bonding, acids and bases, redox equations, and equilibrium. Laboratory work is an important component of the class. Evaluation is based on tests, quizzes, lab work, and homework.

\* Refer to Dual Credit attendance policy on pg. 6

\* Science department courses continued on next page

**PHYSICS** 03149A000  
 (11, 12) *Weighted* 2 semesters  
**Prerequisite:** Geometry and a "C" in Algebra II  
**Meets .1.0 Science credit**

Topics covered in physics will include: motion, forces, work and energy, waves and light. Heavy emphasis is placed on solving problems with applications to real life. Calculators will be essential to work problems. Laboratory work will be done on a regular basis and include much work to be completed on computers. Evaluation will be based on tests, homework, laboratory work, and participation.

**ANATOMY & PHYSIOLOGY** 03053A000  
 (11, 12) *Weighted* 2 semesters  
**Prerequisite:** "C" average in Biology  
**Meets .1.0 Science credit**

This course is intended for the upper level student interested in various science fields post high school including physical therapy, radiology, medical technology, dentistry or other fields related to medicine. It also serves as an area of interest to students who enjoy anatomical and physiological fields of study. The first semester of this course is Anatomy which will focus on body systems and memorizing the functions of each system. The second semester continues with anatomy through dissection of a cat and once the cat dissection is complete the remainder of the semester will focus on physiology.

**SOCIAL SCIENCE DEPARTMENT**

**CIVICS** 04151A000  
 (10) 1 semester  
**Prerequisite:** Sophomore  
**Meets .5 Civics credit**

This course is designed to give an overview of the development, organization and purpose of the federal and state governments. Emphasis will be placed on the U.S. and Illinois Constitutions. *Students are required to pass the U.S. Constitution Exam and Illinois Constitution with a "C" (70%) or better.*

**CIVICS SPE** 04151A000  
 (10) 1 semester  
**Prerequisite:** Special Education Eligibility  
**Meets .5 Civics credit**

This course is an overview of the development, organization and purpose of federal and state governments. The students will study the U.S. and Illinois Constitution enabling them to pass the required U.S. and Illinois Constitution Exams.

**WORLD HISTORY I** 04058A000  
 (9, 10) 1 semester  
**Prerequisite:** None  
**Meets .5 Social Studies credit**

This course will focus on the world's earliest civilizations through the Roman Empire. Topics will include the development of laws, communication, trade and empires.

**WORLD HISTORY II** 04055A000  
 (9, 10) 1 semester  
**Prerequisite:** None  
**Meets .5 Social Studies credit**

This course will focus on the development of Europe's key countries. Topics will include major events from the Middle Ages to the 1800s, including revolutions, nationalism, and the rules of monarchies.

**WORLD HISTORY 1 SPE** 04051A000  
 (9, 10, 11, 12) 1 semester  
**Prerequisite:** Special Education Eligibility  
**Meets .5 Social Studies credit**

This course encompasses the time period from prehistory to 1450 and focuses on the major historical events that shaped the world around us. Topics that will be discussed include: Ancient India, Ancient China, Ancient Egypt, Greek civilizations, the Roman Republic and Empire, and the Middle Ages. World religions will also be discussed according to their prevalence and impact in certain geographical areas. Map skills will be utilized and stressed during all units. *(alternate years)*

**WORLD HISTORY 2 SPE** 04051A000  
 (9, 10, 11, 12) 1 semester  
**Prerequisite:** Special Education Eligibility  
**Meets .5 Social Studies credit**

This course encompasses the time period from 1450 to the present and focuses on the major historical events and characters that have shaped the world around us. Topics that will be discussed include: the rise and fall of Spain, England's Age of Kings, Russian and Prussian monarchs, exploring new lands, Spain's establishment of colonies in America, the Age of Reason, the Industrial Revolution, the American Revolution, Nationalism and Imperialism in Europe, World War 1, the Russian Revolution, World War 2, the Cold War, the Vietnam War, India's independence, and the emergence and neutrality of new nations. Map skills be utilized and stressed during all units. *(alternate years)*

**WESTERN WORLD GEOGRAPHY** 04001A000  
 (9, 10, 11, 12) 1 semester  
**Prerequisite:** None  
**Meets .5 Social Studies credit**

This class will focus on the physical and cultural geography of North and South America and Europe. Map work required. Emphasis is on current events. Some notes required.

**EASTERN WORLD GEOGRAPHY** 04001A000  
 (9, 10, 11, 12) 1 semester  
**Prerequisite:** None  
**Meets .5 Social Studies credit**

This class will focus on the physical and cultural geography of the Middle East, Africa, Asia, Northern Eurasia and the Pacific countries of Australia, New Zealand and the Pacific Island nations. Map work required. Emphasis is on current events. Some notes required.

\* **Social studies department courses continued on next page**

**U.S. GEOGRAPHY SPE** 04002A000  
(9, 10, 11, 12) 1 semester  
**Prerequisite:** Special Education Eligibility  
**Meets .5 Social Studies credit**

This course studies the five themes of geography as they related to the Earth and in particular to the United States. Learning units will include the study of globes and maps of the earth and U.S., forces that change the Earth, landforms and bodies of water in the United States, as well as climate, vegetation, resources, industry, transportation and population of the United States. (*alternate years*)

**WORLD GEOGRAPHY SPE** 04001A000  
(9, 10, 11, 12) 1 semester  
**Prerequisite:** Special Education Eligibility  
**Meets .5 Social Studies credit**

This course allows students to explore their surroundings by using the five basic themes of geography (location, place, interaction, movement, and region). This class will also allow students to compare and interpret the use of a variety of maps. Students will compare the customs, economies, land, and cultures of different countries. World religions will also be discussed and explained. Google Maps will be utilized to allow students a hands-on approach to navigating throughout different geographical regions. (*alternate years*)

**PSYCHOLOGY I** 04254A000  
(11, 12) *Weighted* 1 semester  
**Prerequisite:** None  
**Meets .5 Social Studies credit**

Psychology I is an elective one semester course offered to juniors and seniors. The course is intended to give the student general knowledge and awareness of modern concepts in psychology. Subject emphasis is placed on development of a personality. Evidence of outside reading are required for the successful completion of this course. *Psychology 1 students are encouraged to take Psychology 2 in the same school year.*

**PSYCHOLOGY II** 04254A000  
(11, 12) *Weighted* 1 semester  
**Prerequisite:** Psychology I (PHS)  
**Meets .5 Social Studies credit**

Psychology II is a continuation of Psychology 1 offered to juniors and seniors that are interested in learning more about psychological concepts. Psychology II will place emphasis on understanding the psychological disturbances. Outside reading is required for successful completion of this course.

**SOCIOLOGY** 04258A000  
(11, 12) *Weighted* 1 semester  
**Prerequisite:** None  
**Meets .5 Social Studies credit**

Sociology is a one semester course open to juniors and seniors. This course will study human interaction focusing on the social influences shaping personality and the structure and dynamics of human society. Topics of study will include: culture, social control and change, social and ethnic relations, problems of gender, age, and health, and the family. A "hands on" group research project on a social problem is required.

**UNITED STATES HISTORY** 04103A000  
(11) 2 semesters  
**Prerequisite:** Junior  
**Meets 1.0 U.S. History credit**

This course is a required course for juniors. The course is designed to highlight significant events affecting United States History in the twentieth century. The course will also explore cultural history through the decades.

**UNITED STATES HISTORY COLLEGE PREP** 04103A000  
(11) *Weighted* 2 semesters  
**Prerequisite:** Recommendation of counselor and English teacher  
**Meets 1.0 U.S. History credit**

This course is designed to give an in-depth look into the Twentieth Century American History. Students will be required to use critical thinking skills in evaluating major events. This course fulfills the history requirement for juniors. *The course is highly recommended for students who will take the Advanced American History dual credit course.*

**UNITED STATES HISTORY SPE** 04103A000  
(11) 2 semesters  
**Prerequisite:** Special Education Eligibility  
**11th grade requirement**  
**Meets 1.0 U.S. History credit**

This course covers the important events throughout history that shape the development of the United States and the influences of the many people who have contributed to this history. This is a required course for juniors.

**ADVANCED U.S. HISTORY II (HIS 156)** 04106A000  
(12) *Dual Credit, Weighted* 1 semester  
**Prerequisite:** "B" average or permission of instructor  
**Meets .5 Social Studies credit**

This course covers recent U.S. history as seen through the framework of the themes of reforms, liberal-conservative, domestic conflicts, and international conflicts of the 20th century.

\* Refer to Dual Credit attendance policy on pg. 6

## MISCELLANEOUS

**YEARBOOK** 11104A000  
(9, 10, 11, 12) 2 semesters  
**Prerequisite:** Advanced computer skills, "A" or "B" average in English  
**Meets 1.0 Elective credit**

This year-long class is a laboratory setting for putting together the PHS yearbook including designing lay-outs, artwork, ad design, cover design, preparing copy and photography assignments. Students will be expected to learn yearbook technique with effects resulting in yearbook publications. A lot of work must be done out-of-school and not during school hours. Students who have evening and weekend jobs are not encouraged to sign up for this class because they are required to take pictures at games during the week and weekends and to sell ads to businesses after school and weekends. Students are also asked to sell buttons, work concessions and sell yearbooks. If interested in yearbook, you must fill out an application telling why you want to be in yearbook and what you think you can do for the class. *Must have a camera or access to one. (limited to 15 seats)*

**MENTORING** 22999A000  
(11, 12) 1 semester

**Prerequisite:** Junior or senior class standing, regular school attendance, and dependable transportation.

**Meets .5 Elective credit**

This class will be an opportunity for students to mentor children in grades K-4. The students will learn responsibility, cooperation, dependability, and leadership as they mentor children who are in need of help. This program is designed for a high school student to commit to mentoring an elementary child for two (2) years. Every effort will be made to match the student with a child in the grade level of his/her choice. Besides the classroom hours, the student must also perform an additional ten (10) hours of volunteer work for the community. Parent permission slip is required. Students receive an evaluation from the supervisor each nine (9) weeks. Credit for the class is pass/fail. *Failing the class will affect your grade point average and cause you to be removed from the program.*

**SERVICE LEARNING** 22995A000  
(11, 12) 1 semester

**Prerequisite:** Junior or senior class standing, regular school attendance, and dependable transportation.

**Meets .5 Elective credit**

This class will be an opportunity for students to do volunteer work for the schools and community. The participant will learn responsibility, cooperation, dependability, and leadership in the workplace. Participants must secure a sponsor for their service learning placement. School placements include office workers, teacher aides, library workers, computer technician, cafeteria helpers, etc. In the community, placements might be career related. Besides the classroom hours, the student must also perform an additional 10 hours of volunteer work for the community. Parent permission slip is required. Students receive an evaluation from the supervisor each 9 weeks. Credit for the class is pass/fail. *Failing the class will affect your grade point average and cause you to be removed from the program.*

**LIFE SKILLS SPE** 22206A000  
(9, 10, 11, 12) 1 semester

**Prerequisite:** Special Education Eligibility

**Meets .5 Elective credit**

This course helps students prepare for independent living. It studies many skills the students will need to successfully achieve their independence, including but not limited to - safety, dictionary and research skills, reading comprehension, conflict resolution, developing healthy relationships, careers, and job search.

**STUDY SKILLS SPE** 22003A000  
(9, 10, 11, 12) 2 semesters

**Prerequisite:** Special Education Eligibility

**Meets 1.0 Elective credit**

This course helps students learn skills to become more successful learners. The learning units include, but are not limited to the skills of time management, note taking, outlining, memorizing, reading, and use of resources, and test taking strategies.

**RESOURCE SPE** 22005A000  
(9, 10, 11, 12) 2 semesters

**Prerequisite:** Special Education Eligibility

**Meets 1.0 Elective credit**

A course designed to supplement instruction in student coursework. The student must maintain behavior and attendance for a pass/fail grade. *Failing the class will affect your grade point average.*

## ON-LINE DUAL-ENROLLMENT COURSES

Lake Land will be offering the following courses on-line for dual enrollment. These courses will be made available during the high school day by using a computer lab. Because these courses are being taught by Lake Land faculty, PHS students will pay 50% of the tuition cost for these classes (full tuition if a student drops the class after the deadline). Other courses may be offered upon request.

**MEDICAL TERMINOLOGY (AHE 041)** 14154A000  
(11, 12) Dual Enrollment, Weighted 1 semester

**Prerequisite:** None

**Meets .5 Elective credit**

This course focuses on vocabulary used in medicine, nursing and allied health occupations.  
(3 credit hours).

**GENERAL ANTHROPOLOGY (ANT 200)** 04251A000  
(11, 12) Dual Enrollment, Weighted 1 semester

**Prerequisite:** None

**Meets .5 Elective credit**

This course provides an introduction to cultural and physical anthropology. Human and animal behavior is studied by using the comparative method. Some of the topics covered are: religion, magic, kinship, sex roles, human evolutions, race, archeology, and primates.  
(3 credit hours)

**CAD 1 (CAD 056)** 21116A001  
(11, 12) Dual Enrollment, Weighted 1 semester

**Prerequisite:** None

**Meets .5 Elective credit**

This course provides the basic theory of CAD. Students will learn to use a Computer Aided Drafting system to create simple to moderately complex technical drawings.  
(3 credit hours)

**INTRODUCTION TO CRIMINAL JUSTICE (CJS 150)** 15051A003  
(11, 12) Dual Enrollment, Weighted 1 semester

**Prerequisites:** None

**Meets .5 Elective credit**

Focuses on an overview of the justice system with emphasis on the total system of police, courts, and corrections.  
(3 credit hours)

**CRIMINAL INVESTIGATION I (CJS 152)** 15051A004  
(11, 12) Dual Enrollment, Weighted 1 semester

**Prerequisite:** None

**Meets .5 Elective credit**

This course focuses on the fundamentals of investigation, crime scene applications, and investigative techniques and procedures. Upon completion of this course, the student will understand the theory and practicality of investigation from crime scene to courtroom.  
(3 credit hours)

\* Continued on next page

**CRIMINAL LAW (CJS 156)** 15051A005  
(11, 12) *Dual Enrollment, Weighted* 1 semester  
**Prerequisite:** None  
Meets .5 Elective credit

This course focuses on the historical concept of social order, examining criminal law. Crime is defined and examined as is criminal responsibility, mental state, physical act and other fundamental legal doctrines.  
(3 credit hours)

**JUVENILE JUSTICE (CJS 158)** 15051A006  
(11, 12) *Dual Enrollment, Weighted* 1 semester  
**Prerequisites:** None  
Meets .5 Elective credit

Designed to familiarize the student with development and trends in the juvenile justice system. It includes delinquency prevention, causation of juvenile crime, and treatment and control of the juvenile delinquent.  
(3 credit hours)

**CORRECTIONS (CJS 166)** 15051A006  
(11, 12) *Dual Enrollment, Weighted* 1 semester  
**Prerequisite:** None  
Meets .5 Elective credit

This course enables the student to develop an understanding of the current problems in correctional institutions. Sentencing trends, alternatives to incarceration, inmate life of population, and their effect on the system will be examined.  
(3 credit hours)

