

# **Dayton High School**

## **Course Description Guide**

**2009-10**

# Table of Contents

<b>Scheduling for Next Year</b>	4
Class Load	4
Scheduling Procedures	4
<b>Grading Systems/Procedures</b>	5
Credits	5
Progress Reports	5
Report Cards	5
Honor Roll	5
National Honor Society	5
Grade Level/Homeroom Placement	5
<b>Credits Earned Outside Dayton High School</b>	6
Correspondence Courses	6
Summer School/ESS Alternative Program	6
Transfer Students	6
<b>General Graduation Requirements</b>	7
Basic Graduation Requirements	7
<b>Graduation Honors Information</b>	8
Honor Pins	8
Valedictorian and Salutatorian	8
Graduating Academically (ACADEMIC MAJOR)	8
College Dual Admission Courses	8
Kentucky Pre-College Curriculum (PRE COLLEGE MAJOR)	9
Fine Arts Certification (FINE ARTS MAJOR)	9
Vocational Certification	9
<b>Vocational/Technical Career Majors</b>	10
Business Technology MAJOR	10
Administrative MAJOR	10
Accounting MAJOR	10
Marketing MAJOR	10
Technology Education MAJOR	10
<b>Special Diploma Offerings</b>	11
<b>Course Offerings by Department and Credit(s) Allowed</b>	12
<b>Courses Offered by Grade Level and Subject</b>	13
<b>Course Descriptions</b>	14
English	15-16
Mathematics	17-18
Science	19-20
Social Studies	21
Physical Education/Health	22
Fine Arts	23-24
Foreign Languages	25
Peer Tutoring	26
Family and Consumer Science	27-28
Technology Education	29
Business Education	30-31
Marketing Education	32
Vocational School	33-35

# Welcome to Dayton High School!!!

This **COURSE DESCRIPTION GUIDE** is designed to give students and parents academic information about the programs offered at Dayton High School. Please use this booklet as a guide through your high school years, by outlining your four-year plan and making sure you complete all required courses for graduation. If you have any questions, please contact the guidance office.

## COURSE LOAD

At Dayton High School, all students are expected to enroll in seven (7) classes per day. These classes may be a **REQUIRED** or an **ELECTIVE** course.

A **REQUIRED COURSE** is one in which credit must be earned in order to graduate from Dayton High School or to complete a specific program.

An **ELECTIVE COURSE** is one that is chosen by the student to complete their class load. It is advisable to choose most of the electives in one specific area or TRACK.

A **MAJOR** is a specific area of study. Examples include Academic, KY Pre College Curriculum, Vocational programs such as: Business Technology, Administrative Support, Accounting, Marketing, Technology Education or the various programs offered at the Chapman Career & Technical Center. All students must be working in one or more of these areas. **PLEASE ADVISE THE COUNSELOR OF THE MAJOR YOU WISH TO COMPLETE AS SOON AS A DECISION HAS BEEN MADE.**

## SCHEDULING PROCEDURES

1. Each student should select seven (7) classes in which they would like to enroll and two (2) alternatives. **ALTERNATES** are courses you would be willing to take if any of your first choices are unavailable.
2. Return the completed Schedule Selection Sheet to the guidance counselor **AS SOON AS POSSIBLE**, with student and parent signatures.
3. If a Scheduling Session is requested, the student, with the counselor, will discuss and decide upon the major(s) of interest and course selections for the next school year.
4. In June, each student will pick up their final report card and their schedule for the new school year. If there are **ANY PROBLEMS OR CHANGES** that need to be made, the student **MUST** schedule an appointment with the counselor during the summer. **NO SCHEDULE CHANGES WILL BE MADE ONCE SCHOOL BEGINS**, without special permission from the principal, the guidance counselor, the teacher(s) and the parent. This permission will be difficult to obtain. When a student is placed in a course, they are expected to complete the course.

## GRADING SYSTEM/PROCEDURES

### Credits

Courses taken on a yearly basis receive a yearly average. A student, who passes a course with a yearly average of 70 or better, will earn **one** credit. No student will receive one-half credit for a full credit course.

One-half credit courses run for one semester and receive a semester average. A student, who passes the course with a semester average of 70 or better, will earn **one-half** credit.

Any student, who fails to earn their credit for a course, can repeat the entire course at a later date for credit. (Required courses must be repeated!!)

**Beginning in the 2004-05 school year**, a student must have a minimum final average of 70 **AND** a minimum average of 65 for the fourth quarter, regardless of their final average, to earn the course credit.

### Progress Reports

Progress Reports are given to all students at the midpoint of each quarter. These will notify the student and their parent/guardian of the current average in that class, and any problem(s) that needs to be corrected. These are to be taken home and shared with the parent/guardian. Students and parents/guardians may use the Infinite Campus portal to get daily updates of all grades. This can be found on the school's district webpage at [www.daytonkyschools.us](http://www.daytonkyschools.us). Students/Parents must supply the user name and password to use this system.

### Report Cards

Report cards are issued at the end of each quarter grading period.

### Honor Roll

Students who have all grades 94% or above are listed on the Super Honor Roll.

Students who have all grades 85% or above are listed on the Honor Roll.

### National Honor Society

Students, entering grades 11 or 12, maintaining a four-semester average of 90% or above are eligible for membership in this organization. Voted on by the faculty committee, service, character and leadership qualities are stressed. Students may either accept or decline the membership.

### Grade Level/Homeroom Placement

A student's grade level and homeroom placement are determined by the number of credits and the number of high school years a student has completed prior to the opening of school. Once placed, a student will remain in this classification and homeroom the entire school year. The classifications are as follows:

<b>Classification</b>	<b>Class of 2008 and thereafter</b>
Freshman	0 – 4.99 credits
Sophomore	5 – 10.99 credits
Junior	11 – 17.99 credits
Senior	18 or more credits

# **CREDITS EARNED OUTSIDE DAYTON HIGH SCHOOL**

## **CORRESPONDENCE COURSES**

On January 17, 1979, the Dayton Board of Education approved the following policy concerning correspondence courses.

1. No more than one credit would be acceptable. \*
2. To be taken only by students going into or already in their senior year.
3. To be taken only if graduation is dependent upon the credit.
4. To be taken only in case of failure or unavoidable schedule conflict.
5. Must be cleared and/or authorized and accepted by the principal prior to enrollment in such a course.

## **SUMMER SCHOOL/AFTER SCHOOL PROGRAM**

In the Summer and the After School Program, courses will be used for make-up work in courses that were failed during the previous regular school semester.

### **Summer School:**

If Dayton High School offers summer school, only their classes will be accepted unless approval of the principal/counselor is received **in advance**. Locally, Holmes High School in Covington has offered summer school classes where students can earn a **full credit** in a course failed during the regular school term. Only one credit per session may be taken, with a maximum of completing four credits during the high school career, will be accepted. \*

### **ESS After School Program:**

Dayton High School offers the ESS After School Program in the Spring and Summer Sessions. This program is for students who have failed the previous semester in the regular classroom. Only one credit per summer may be taken, with a maximum of completing four credits during the high school career, will be accepted. \*

### **\*SPECIAL NOTE**

**A MAXIMUM TOTAL OF FOUR CREDITS WILL BE ACCEPTED FROM SUMMER SCHOOL, THE AFTER SCHOOL PROGRAM AND CORRESPONDENCE SCHOOL DURING A STUDENT'S HIGH SCHOOL CAREER.**

## **TRANSFER STUDENTS**

Pupils coming from other schools must have their credits and grade level authorized by the guidance counselor/principal before placement in classes.

## GENERAL GRADUATION REQUIREMENTS

### Basic Graduation Requirements:

**Beginning with the Class of 2008**, students graduating from Dayton High School must have earned 25 credits. These credits must include:

<b>Department</b>	<b>Class of 2008 and thereafter</b>
English	4 credits
Mathematics*	3 credits earned in high school (grades 9-12)
Science	3 credits
Social Studies	3 credits
Physical Education	½ credit
Health	½ credit
History & Appre of the Arts	1 credit
Computer Applications	1 credit (Class of 2009, 2010 only)
Freshman Seminar	1 credit (Class of 2012 and thereafter)
ELECTIVES	9 credits** (Class of 2011 and thereafter—10 credits)
<b>TOTAL</b>	<b>25 credits</b>
<b>*Eighth grade Algebra is not included in this total</b>	<b>**At least one elective major must be completed (see choices below)</b>

**\*\*Majors include: Academic, Kentucky Pre-College Curriculum, Business Education, Marketing, Technology Education, Fine Arts and Vocational School. See the detailed descriptions and requirements for each of these majors in the pages to follow.**

\*Students taking Algebra I in the eighth grade, who earn 76 (C) or above, will receive a high school credit. These students must still complete the three (3) required Mathematics courses in high school, beginning with Algebra II. With approval of the principal, a student who has earned a credit in Algebra I (eighth grade) may repeat Algebra I without earning an additional credit.

**Beginning with the Class of 2005**, a minimum requirement of “Apprentice” or “marked improvement”, as determined by the English Department, is required for the senior Writing Portfolio in order for the student to participate in all school sponsored graduation activities.

All graduating seniors are expected to participate in Baccalaureate/Commencement Exercises. Eligibility to participate in the exercises necessitates the completion of **ALL** requirements for graduation, including the minimum number of **required credits** and **payment of all fees** incurred while attending the Dayton Schools. Seniors not graduating may not participate in any senior activities.

## **GRADUATION HONORS & MAJORS**

### **Honor Pins**

Students having a cumulative four-year GPA of 85% or above will receive an honor pin at the graduation ceremony.

### **Valedictorian and Salutatorian**

The valedictorian and the salutatorian are honored for the highest and the second highest four-year unweighted grade point averages. This GPA is numeric on a 100-point scale. Each of these students must have **nineteen (19) academic credits** within the total credits required for graduation.

## **PROGRAMS or MAJORS**

### **Graduating Academically (ACADEMIC MAJOR)**

For a student to graduate academically and receive a gold stole to wear at graduation, nineteen (19) academic credits must be earned including: 4 credits in English, 3 high school credits in Mathematics, 3 credits in Science, 3 credits in Social Studies, 2 credits in the same Foreign Language, 1 credit in History and Appreciation of the Arts and any 3 electives from the above academic areas.

Math credits **should** be chosen from the more advanced class offerings such as Algebra I, Algebra II, Geometry, etc.

**Beginning in the 2004-05 school year**, all academic students must earn a 76 (C) or higher in each academic class and have failed NO class during their high school career to graduate academically. The Curriculum Instruction Technology Committee may give special permission to a student to graduate academically if a student repeats a class to meet one of the above criteria.

### **College Dual Admission Classes**

Juniors/Seniors may enroll in early admission classes through a local college, during the school day, provided the student meets the admission criteria of the local college. Provided the student passes the class, the student will earn the college credit assigned by the college along with ½ credit at Dayton High School for each semester class completed. The credits earned in these classes will count as academic credits. The student is required to complete a separate college application along with the payment other fees required by the college.

## **KENTUCKY PRE-COLLEGE CURRICULUM (MAJOR)**

Along with the requirements for graduation from Dayton High School, students may wish to follow the **Pre-College Curriculum** established by the Commonwealth of Kentucky. The following PCC courses are required for admission to **Kentucky's eight public universities**. (If one plans to attend college, it is suggested following the DAYTON HIGH SCHOOL Academic Major--see page 6 for requirements.)

<b>Class of 2008 and thereafter</b>
English 9, 10, 11, 12
Algebra I, Algebra II & Geometry <b>or</b> Integrated Math I, II, & III
3 Science credits (From life science, physical science, and earth/space science)
3 Social Studies credits (From US History, Economics, Government, World Geography and World Civilization)
Health—1/2 credit
Physical Education—1/2 credit
History & Appreciation of the Arts—1 credit
<b>Foreign Language—2 credits</b>
<b>Electives—8 credits</b>
<b>TOTAL CREDITS: 25</b>

### **Fine Arts Certification (FINE ARTS MAJOR)**

A student successfully completing a Fine Arts Curriculum in an Art or Music field (4 credits of Art **or** four credits of Band **or** 4 credits Chorus) will receive a certificate and a blue/gold cord to wear at the graduation ceremony.

### **Vocational Certification (VOCATIONAL MAJOR)**

A student successfully completing a Vocational Education curriculum in any of the vocational areas (Business, Vocational School, Marketing, Technology, or any acceptable combination) will receive a certificate and silver cord to wear at the graduation ceremony. The requirements for each of these programs are as follows on pg 10.

# **VOCATIONAL/TECHNICAL COURSE RECOMMENDATIONS BASED ON CAREER MAJORS**

## **BUSINESS CAREER CLUSTERS**

Four (4) V.B.E. credits are required for certification in the business major.

### **Business Technology MAJOR**

Choose any four (4) courses from the following:

Computer & Technology Applications  
Mathematics for Business & Industry  
Accounting & Finance Foundations (Accounting I)  
Advanced Computer & Technology Applications  
Word Processing

### **Administrative Support MAJOR**

All four (4) of the following courses are **REQUIRED**:

Computer & Technology Applications  
Word Processing  
Accounting & Finance Foundations (Accounting I)  
Advanced Computer & Technology Applications

Skills Standards Certificate will be awarded by passing the Kentucky Occupational Skills Standards Assessment.

### **Accounting MAJOR**

Accounting & Finance Foundations (Accounting I)  
Financial Accounting (Accounting II)

**AND** any two (2) of the following courses:

Math for Business & Industry  
Advanced Computer & Technology Applications  
Word Processing

## **MARKETING CAREER CLUSTER**

(4) Marketing credits are required for certification in the Marketing track:

### **Marketing MAJOR**

Earn 4 credits among the following courses:

Retail Marketing  
Sports Marketing  
Web Page Design  
Advanced Marketing  
Co-op Marketing (1 or 2 credits)

## **TECHNOLOGY EDUCATION CAREER MAJOR**

Earn 4 credits in all of the following courses:

Industrial Communication and Production  
General Woods  
General Drafting  
Manufacturing

## **SPECIAL DIPLOMA OFFERINGS**

### **Commonwealth Diploma**

Requirements:

The completion of 4 Advanced Placement (AP) courses, and earning a grade of at least a C (at least a 76):

- 1 AP English
- 1 AP Science or AP Mathematics
- 1 AP Foreign Language
- 1 Additional AP course (AP US History is offered at DHS)

In addition, the student must complete the AP examination in 3 out of the 4 required AP courses.

### **Certificate of Completion Program** (Non Diploma Program)

If the severity of a student's disability is such that it precludes a course of study leading to a diploma, the ARC shall document the proper criteria are met in the student's IEP.

**COURSE OFFERINGS BY DEPARTMENT**

(Course credit in parentheses)

<b>LANGUAGE ARTS</b>	<b>MATHEMATICS</b>	<b>VOCATIONAL EDUCATION</b>
(1) English 9 or Honors English 9	(1) Integrated Math 1	<b>Business Education</b>
(1) English 10 or Honors English 10	(1) Integrated Math 2	(1) Occupational Clusters
(1) English 11 or Honors English 11	(1) Integrated Math 3	(1) Word Processing (09-10, alternating years)
(1) English 12 or AP English 12	(1) Algebra I	(1) Adv. Computer & Technology Apps (08-09, alternating years)
	(1) Algebra II	
	(1) Geometry	
	(1) Pre Calculus	
	(1) Advanced Topics in Math	
	(1) Computer Programming (09-10, alternating years)	(1) Math for Business & Industry
		(1) Accounting & Finance Found. I
		(1) Financial Accounting
		(1-2) Business Co-op
<b>FOREIGN LANGUAGE</b>		
(1) Spanish I		
(1) Spanish II		
(1) Spanish III		<b>Family &amp; Consumer Science</b>
	<b>SCIENCE</b>	(1) Life Skills
	(1) Integrated Science	
	(1) Biology	
	(1) Intro to Chemistry & Physics	
	(1) Chemistry	
	(1) Anatomy & Physiology	
	(1) Advanced Chemistry (08-10, alternating years)	
<b>FINE ARTS</b>	(1) Physics or AP Physics (08-09, alternating years)	
(1) Art I		<b>Marketing Education</b>
(1) Art II		(1) Retail Marketing
(1) Art III		(1) Sports Marketing
(1) Art IV		(1) Web Page Design
(1) High School Band		(1) Advanced Marketing
(1) High School Chorus	<b>SOCIAL STUDIES</b>	(1-2) Marketing Co-op
(1) History & Appre of the Arts	(1) Integrated Social Studies	
(1) Greendevil Productions (Drama)	(1) World Civilization	
(1) Greendevil Times (Yearbook & Newspaper)	(1) US History or AP US History	<b>Technology Education</b>
	(1) Political Science	(1) Industrial Commun/Production
	(1/2) Psychology	(1) General Woods
<b>PRACTICAL LIVING</b>	(1/2) Sociology	(1) Drafting/Computer Assisted Drafting
(1/2) Physical Education		
(1/2) Health		(1) Manufacturing
(1) Peer Tutoring		
(0) Senior Teacher Aid		<b>VOCATIONAL SCHOOL</b>
		(May earn up to 3 credits per year)

**COURSES OFFERED BY GRADE LEVEL AND SUBJECT**

<b><u>Freshman</u></b>	<b><u>Sophomore</u></b>	<b><u>Juniors</u></b>	<b><u>Seniors</u></b>
<b>English 9 or Honors English 9</b>	<b>English 10 or Honors English 10</b>	<b>English 11 or Honors English 11</b>	<b>English 12 or AP English 12</b>
<b>Integrated Math I or Algebra I or Algebra II</b>	<b>Integrated Math II or Algebra II or Geometry</b>	<b>Integrated Math III or Geometry or PreCalculus</b>	PreCalculus Advanced Topics in Math
<b>Integrated Science</b>	<b>Biology</b>	<b>Intro Chem/Physics or Chemistry Anatomy &amp; Physiology Physics (2010-2011)</b>	Chemistry Anatomy & Physiology Adv Chemistry (2009-2010) Physics (2010-2011)
<b>Integrated Social Studies</b>	<b>World Civilization</b>	<b>US History or AP US History Psychology/Sociology</b>	Political Science  Psychology/Sociology
<b>Physical Ed/Health</b>			
High School Band Choral Music	High School Band Choral Music	High School Band Choral Music	High School Band Choral Music
Art I  Greendevil Productions	Art I or II <b>History &amp; Appre Arts</b> Greendevil Productions	Art I, II or III <b>History &amp; Appre Arts</b> Greendevil Productions Greendevil Times	Art I, II , III or IV Greendevil Productions Greendevil Times
Spanish I	Spanish I Spanish II	Spanish I Spanish II	Spanish II Spanish III
Life Skills Freshmen Seminar	Life Skills	Life Skills	Life Skills
	Word Processing (2009-2010) Adv Comptr & TechApps(2010- 2011) Accounting I	Word Processing (09-10) Adv Comptr & TechApps(2010- 2011) Accounting I Accounting II	Word Processing (09-10) Adv Comptr & TechApps(2010- 2011) Accounting I Accounting II Bus Co-op (1-3 hours)
Ind Commun/Production	General Woods	General Woods General Drafting Manufacturing(class limit of 12)	General Woods General Drafting Manufacturing(class limit of 12)
	Sports Marketing Retail Marketing Web Page Design	Sports Marketing Retail Marketing Web Page Design	Sports Marketing Retail Marketing Web Page Design Advanced Marketing Co-op (1-3 hours) (Need teacher's signature)
		Peer Tutoring	Peer Tutoring
		Vocational School (3 hrs)	Vocational School (3 hrs) Student Aide (by teacher's signed permission only) NKU Early Admission Class (Application required to NKU)
		NKU Early Admission Class (Application required to NKU)	

**COURSE**

**DESCRIPTIONS**

**BY**

**DEPARTMENT**

**ENGLISH**  
**COURSE DESCRIPTIONS**

**Course #2301: English 9**

Grade Level 9

**Credit = 1**

2 Semesters

**Description:** Grammar usage, spelling, and composition are stressed and literature is introduced in its various forms and themes. The following writing forms are required at this grade level:

Short Story

Feature Article

Letter to the reviewer

**The completion of the Kentucky WRITING PORTFOLIO appropriate for this grade level is required.**

**Course #2301: Honors English 9**

Grade Level 9

**Credit = 1**

2 Semesters

**Description:** This is a special college-level learning experience that is challenging and stimulating and often takes more time, requires more work, gives greater opportunity for individual progress and accomplishment, and goes into greater depth than other classes.

Grammar usage, spelling, and composition are stressed and literature is introduced in its various forms and themes. The following writing forms are required at this grade level:

Short Story

Feature Article

Letter to the reviewer

**The completion of the Kentucky WRITING PORTFOLIO appropriate for this grade level is required.**

**Course #2302: English 10**

Grade Level 10

**Credit = 1**

2 Semesters

Pre-requisite: English 9

**Description:** A course in which grammar usage, basic writing, and vocabulary skills and various forms of literature are equally stressed. The following writing forms are required at this grade level:

Personal Narrative

Editorial

Letter to the Editor

Letter to the reviewer

**The completion of the Kentucky WRITING PORTFOLIO appropriate for this grade level is required.**

**Course #2302: Honors English 10**

Grade Level 10

**Credit = 1**

2 Semesters

Pre-requisite: English 9

**Description:** This is a special college-level learning experience, which is challenging and stimulating and often takes more time, requires more work, gives greater opportunity for individual progress and accomplishment, and goes into greater depth than other classes.

A course in which grammar usage, basic writing, and vocabulary skills and various forms of literature are equally stressed. The following writing forms are required at this grade level:

Personal Narrative

Editorial

Letter to the Editor

Letter to the reviewer

**The completion of the Kentucky WRITING PORTFOLIO appropriate for this grade level is required.**

**Course #2303: English 11**

Grade Level 11

Pre-requisite: English 10

**Credit = 1**  
2 Semesters

**Description:** A course in which American Literature is stressed. Basic creative writing and public speaking skills are studied. The following writing forms are required at this grade level:

- Poem
- Memoir
- Feature Article
- Letter to the reviewer

**The completion of the Kentucky WRITING PORTFOLIO appropriate for this grade level is required.**

**Course #2303: Honors English 11**

Grade Level 11

Pre-requisite: English 10

**Credit = 1**  
2 Semesters

**Description:** This is a special college-level learning experience, which is challenging and stimulating and often takes more time, requires more work, gives greater opportunity for individual progress and accomplishment, and goes into greater depth than other classes.

A course in which American Literature is stressed. Basic creative writing and public speaking skills are studied. The following writing forms are required at this grade level:

- Poem
- Memoir
- Feature Article
- Letter to the reviewer

**The completion of the Kentucky WRITING PORTFOLIO appropriate for this grade level is required.**

**Course #2304: English 12**

Grade Level 12

Pre-requisite: English 11

**Credit = 1**  
2 Semesters

**Description:** A course in which British Literature is stressed. Related vocabulary and composition work is studied. The following writing forms are required at this grade level:

- Personal Essay
- Personal Speech
- Letter to the reviewer

**The completion of the Kentucky WRITING PORTFOLIO is required.**

**Course #2308: AP English 12**

Grade Level 12

Pre-requisite: English 11 and recommendation of English staff

**Credit = 1**  
2 Semesters

**Description:** This is a special college-level learning experience that is challenging and stimulating and often takes more time, requires more work, gives greater opportunity for individual progress and accomplishment, and goes into greater depth than other classes. Students must be self-motivated, score high on testing programs, and be teacher-recommended to be in an AP course. At the end of the school year, students have the opportunity to gain a college credit by passing a special exam given by the Advanced Placement Program of the College Board. (This special exam score **will not** affect the high school report card grade.) The following writing forms are required at this grade level:

- Personal Essay
- Personal Speech
- Letter to the reviewer

**The completion of the Kentucky WRITING PORTFOLIO is required.**

## MATHEMATICS COURSE DESCRIPTIONS

### Course #2756 Integrated Mathematics I

Grade Level 9

**Credit = 1**

2 Semesters

**Description:** This is the first year course of a three-year core curriculum that integrates the traditional Algebra I, Algebra II, and Geometry courses. This program covers the same content topics in a more meaningful sequence using a spiral approach. This integrated program includes algebra, geometry, probability, statistics, logic, trigonometry, functions, and discrete mathematics; however, content in each course will be differentiated by the depth and breadth of the treatment of each topic and by the nature of applications.

**NOTE: A student shall receive credit for only ONE of the following: Algebra 8, Algebra I, or Integrated Mathematics I.**

### Course # 2757 Integrated Mathematics II

Grade Level 10

**Credit = 1**

2 Semesters

Pre-requisite: Integrated Mathematics I

**Description:** This is the second course of a three-year core curriculum that integrates the traditional Algebra I, Algebra II, and Geometry courses.

### Course #2758 Integrated Mathematics III

Grade Level 11

**Credit = 1**

2 Semesters

Pre-requisite: Integrated Mathematics II

**Description:** This is the third course of a three-year core curriculum that integrates the traditional Algebra I, Algebra II, and Geometry courses.

### Course #2710 Algebra I

Grade Level 9

**Credit = 1**

2 Semesters

**Description:** A course designed to introduce the student to the rules of algebra and the real numbers. It includes problems with positive and negative numbers, and variables and solving equations.

**NOTE: A student shall receive credit for only ONE of the following: Algebra 8, Algebra I, or Integrated Mathematics I.**

### Course #2711 Algebra II

Grade Level 9, 10

**Credit = 1**

2 Semesters

Pre-requisite: Algebra I

**Description:** This course is a continuation of Algebra I, covering more ideas and rules, and introduces the imaginary number system.

**Course #2712 Geometry**

Grade Level 10, 11

Pre-requisite: Algebra I and Algebra II

**Credit = 1**  
2 Semesters

**Description:** The purpose of this course is to introduce the student to the laws governing plane figures. The student will study, in depth, the structure of a mathematical system, deductive and inductive methods of thinking, and basic geometric facts. The importance of a precise language will be stressed heavily; the concept of the logical proof will be developed in full.

**Course #2704 Pre-Calculus**

Grade Level 11, 12

Pre-requisite: Algebra I, Algebra II, and Geometry

**Credit = 1**  
2 Semesters

**Description:** This course will help to prepare students for the study of mathematics at the college level. Topics to be covered include an in depth look at trigonometry and fundamental concepts of probability and statistics.

**Course #2744 Advanced Topics in Mathematics**

Grade Level 11, 12

Pre-requisite: Algebra I, Algebra II, and Geometry

**Credit = 1**  
2 Semesters

**Description:** This course will cover topics from advanced levels of mathematics including coordinate geometry, polynomials and their graphs, inequalities, functions, exponents, logarithms, conic sections, vectors, series and sequences, base and mod systems, groups and fields, matrices and an introduction to calculus.

**Course #2115/2120 Computer Programming**

Grade Level 11, 12

Pre-requisite: Algebra I, Algebra II, and Geometry

Co-requisite: Currently enrolled in Advanced Topics in Mathematics or Pre-Calculus.

**Offered 2009-2010, alternating years.**

**Credit = 1**  
2 Semesters

**Description:** Students will learn the BASIC language and apply concepts covered in Advanced Mathematics in BASIC programs.\* Students will also learn to create presentation programs, using BASIC and Authorware.

\* Emphasis will be placed on creating useful, content related programs.

Students will also learn HTML and how to create a web page. If time permits, students may investigate other programming languages.

## SCIENCE COURSE DESCRIPTIONS

### Course # 2536 Integrated Science

Grade Level 9

**Credit = 1**

2 Semesters

**Description:** This course is taught to all freshmen. It is an overview of four areas in the science field. Each quarter a different area will be emphasized. The areas include biology, chemistry, physics, and earth/space science.

### Course #2517 Biology

Grade Level 10

**Credit = 1**

2 Semesters

**Description:** A study of plant and animal groups showing the relationship of all living things. Reproduction and the development of life are studied and, also, the wide variety of organisms to more advanced concepts of life. Lab work is included.

### Course #2530 Intro to Chemistry & Physics

Grade Level 11

**Credit = 1**

2 Semesters

**Description:** This course will supply a general background and understanding of chemistry and physics while providing the student knowledge of the concepts of science, through lab experiences.

### Course #2521 Chemistry

Grade Level 11, 12

**Credit = 1**

2 Semesters

Pre-requisite: Biology and Algebra I

**Description:** This class will encompass a study of composition of materials and the changes in composition of these materials. Basic ideas of chemistry will be studied such as atomic structure, chemical bonds, chemical equations, and physical states of matter, chemical reactions and kinetics. Lab work will be incorporated.

### Course #2532 Physics

Grade Level 11, 12 (offered 2010-2011, alternating years)

**Credit = 1**

2 Semesters

Pre-requisite: Algebra I, Algebra II, and should have or be taking at least one year

of Advanced Mathematics.

**Description:** This course is basically a mathematical analysis of the physical laws of nature. Lab work and extensive problem solving and involved to bring out a better understanding of these laws. Students taking this class should have done better than average in Algebra II. This course is offered every other year.

### Course #2510 Anatomy & Physiology

Grade Level 11, 12

**Credit = 1**

2 Semesters

Pre-requisite: Biology

**Description:** Offers pupils advanced level experiences in the concepts of Biology. Human Anatomy and Physiology presents an intensified study of the human body. All major systems are studied with an emphasis on related physiology and fetal pig dissection. Students taking this class should have done better than average work in Biology.

### Course #2524 Advanced Chemistry

Grade Level 11, 12 (offered 2009-2010, alternating years)

**Credit = 1**

2 Semesters

Pre-requisite-Algebra I and Chemistry

**Description:** Offers pupils advanced level experiences in concepts involving Bio-Chemistry, Organic Chemistry, Nuclear Chemistry and Thermodynamics. Lab activities will be stressed. This course is offered every other year. Students taking this class should have done better than average work in Chemistry I.

## SOCIAL STUDIES COURSE DESCRIPTIONS

### Course #2221 Integrated Social Studies

Grade Level 9

**Credit = 1**

2 Semesters

**Description:** A course designed to introduce students to topics in social studies. Students will study geography, government and economics.

### Course #2246 World Civilization

Grade Level 10

**Credit = 1**

2 Semesters

**Description:** A course designed to furnish the student with an understanding and appreciation of the great events, movements, and people who have shaped man's history.

### Course #2243 U.S. History

Grade Level 11

**Credit = 1**

2 Semesters

**Description:** A survey of our country's history with emphasis on the 20th Century. Students are expected to acquire basic factual knowledge concerning major events and personalities. This class is a requirement for graduation.

### Course #2244 Advanced Placement U.S. History

Grade Level 11

**Credit = 1**

2 Semesters

Pre-requisite: World Civilization and the completion of a pre-requisite test.

**Description:** This is a special college level experience. It is more challenging and moves more rapidly than the regular U.S. History class. Consequently, it demands more time and effort from the student. In order to succeed in this class, a student should have exhibited a high degree of proficiency in Social Studies and reading comprehension, and must be highly self-motivated. Teacher recommendations will be considered in selecting if they successfully pass a comprehensive exam given in May each year.

### Course #2271 Political Science

Grade Level 11, 12

**Credit = 1**

2 Semesters

**Description:** Examines the basic structures of governments and institutions, the relationship of power and decision-making. Democratic values are stressed.

### Course #2207 Psychology

Grade Level 11, 12

**Credit = ½**

1 Semester

**Description:** Psychology is the systematic study of individual behavior and human mental processes. It studies both the cognitive aspects of the mind and the affective aspect of how humans feel about their experiences.

### Course #2261 Sociology

Grade Level 11, 12

**Credit = ½**

1 Semester

**Description:** Sociology is the scientific study of human society. It is concerned with the behavior of human beings in group situations such as the family, schools, neighborhoods, communities and many other groups with which humans identify.

## PHYSICAL EDUCATION/HEALTH COURSE DESCRIPTIONS

### Course #2881 Physical Education

Grade Level 9

**Credit = ½**

1 Semester

**Description:** Designed to develop basic skills, physical fitness, cooperation, and teamwork, respect for rules and fair play. **This is a required course.** Only students who have a written medical excuse are exempt from taking this class. This medical excuse must state specifically the time period covered, as students must take Physical Education when the medical excuse expires.

### Course #2851 Health

Grade Level 9

**Credit = ½**

1 Semester

**Description:** Emphasizing Parenting and family Life Skills, Community/Consumer Health, Safety, and Accident Prevention, Substance Use and Abuse, Growth and Development, Personal Health, Mental Health, Family Life, Environmental Health, and Nutrition Education. **This is a required course.**

**FINE ARTS**  
**COURSE DESCRIPTIONS**

**MUSIC COURSES**

**Course #2834 Concert Band**

Grade Level 9, 10, 11, 12

**Credit = 1**

2 Semesters

**Description:** A performing group that meets everyday. Students will play concert band literature in a variety of styles. Students will learn major scales, arpeggios, and beginning music theory. The concert band will perform approximately three (3) concerts a year. Students enrolled in this class must attend all concerts. (A student may receive up to 4 credits in this course over 4 years.)

**Course #2824 Choral Music**

Grade Level 9, 10, 11, 12

**Credit = 1**

2 Semesters

**Description:** A performing group that meets everyday. The chorus will perform approximately three (3) concerts a year along with various specialty events. Students enrolled in this class must attend all performing events. (A student may receive up to 4 credits in this course over 4 years.)

**ART COURSES**

**Course #2801 Art I**

Grade Level 9, 10, 11, 12

**Credit = 1**

2 Semesters

**Description:** Designed to help the student understand the many different types of art projects and learn the appropriate tools. Class projects include: drawing, painting, printing, ceramics, sculpture, crafts, appreciation, and history. Students are required to buy a sketchbook.

**Course #2802 Art II**

Grade Level 10, 11, 12

**Credit = 1**

2 Semesters

Pre-requisite: Art I

**Description:** More individual exploration of select projects using skills learned in Art I. Students are required to buy a sketchbook.

**Course #2803 Art III**

Grade Level 11, 12

**Credit = 1**

2 Semesters

Pre-requisite: Art I and Art II

**Description:** For advanced art students. Students are required to buy a sketchbook.

**Course #2804 Art IV**

Grade Level 12

**Credit = 1**

2 Semesters

Pre-requisite: Art I, Art II, and Art III

**Description:** For advanced art students. Students are required to buy a sketchbook.

## OTHER FINE ARTS COURSES

### Course #2219 History & Appreciation of Visual & Performing Arts

**Grade Level 11 REQUIRED FOR ALL JUNIORS**

**Credit = 1**

2 Semesters

**Description:** This class includes four areas: Music Appreciation and Dance, Art Appreciation, Theater and Drama, and Humanities.

### Course #9004 Greendevil Times (Yearbook/Newspaper)

Grade Level 11, 12

**Credit = 1**

2 Semesters

Pre-requisite: Teacher recommendation only.

**Description:** This hands-on course applies publishing and presentation concepts through the development of sophisticated business documents. These documents include, but are not limited to, brochures, manuscripts, reports, programs, catalogues, newsletters, flyers, business forms and graphs. Automated equipment such as scanners, digital cameras, CD Rom, color laser printers, and laser disks may be utilized in creating the documents as well as clip art. Formatting, editing, page layout, and design concepts are taught. The mailable or usable copy standard is applied to all projects. Students will develop communication skills, problem solving techniques, cooperative learning, and interpersonal skills. This class will produce the school yearbook, newspaper and video productions.

### Course #2351 Greendevil Productions (Dramatics/Theatre)

Grade Level 9,10,11, 12

**Credit = 1**

2 Semesters

**Description:** This course will study major types and styles of dramatic literature: tragedy, comedy, melodrama, classicism, romanticism, realism, impressionism and expressionism. Students will explore the philosophy of the dramatist, background of the historical period and the culture of the intended audience. They are also introduced to the art of criticism. Students will study structure, plot and techniques used to reveal character. Stage performance or oral interpretation will serve to enhance the pupil's understanding and appreciation of the works studied. This course may be repeated.

## **FOREIGN LANGUAGE COURSE DESCRIPTIONS**

### **Course #2431 Spanish I**

Grade Level 9, 10, 11

**Credit = 1**

2 Semesters

**Description:** A course including basic vocabulary and principles of Spanish with practice in reading, writing and speaking Spanish. Students need to have average to above average grades in English.

### **Course #2432 Spanish II (beginning 2007-08)**

Grade Level 10, 11, 12

**Credit = 1**

2 Semesters

Pre-requisite: Spanish I

**Description:** A continuation of Spanish I, stressing more conversational skills as well as grammar and vocabulary. We will also study customs in Spanish-speaking countries.

### **Course #2433 Spanish III**

Grade Level 11, 12

**Credit = 1**

2 Semesters

Pre-requisite: Spanish II

**Description:** A continuation of Spanish II, stressing more conversational skills as well as grammar and vocabulary. We will also study customs in Spanish-speaking countries.

### **Course #2437 Advanced Placement Spanish**

Grade Level 12

**Credit = 1**

2 Semesters

Pre-requisite: Spanish III

**Description:** This is a special college-level learning experience that is challenging and stimulating and often takes more time, requires more work, gives greater opportunity for individual progress and accomplishment, and goes into greater depth than other classes. Students must be self-motivated, score high on testing programs, and be teacher-recommended to be in an AP course. At the end of the school year, students have the opportunity to gain a college credit by passing a special exam given by the Advanced Placement Program of the College Board. (This special exam score **will not** affect the high school report card grade.)

## **PEER TUTOR** **COURSE DESCRIPTION**

### **Course #9501 Peer Tutoring**

Grade Level 11, 12

**Credit = 1**  
2 Semesters

Pre-requisite: Application and Brief Interview with Instructor

**Description:** This course is designed to inform students about persons with moderate and severe disabilities and to bring about positive attitude changes in the peer tutors and in other students in our school.

**Course Objectives:** Each student will provide five (5) hours per week of in class and/or community-based instruction to students with moderate and severe disabilities in the school. All instruction will take place under the personal supervision and direction of the course instructor or classroom teaching staff.

**\*\*SEE THE GUIDANCE COUNSELOR FOR AN APPLICATION\*\***

## **FAMILY AND CONSUMER SCIENCE**

### **COURSE DESCRIPTIONS**

#### **Course #5910 Life Skills**

**Grade Level** 9, 10, 11, 12

**Credit = 1**

2 Semesters

**Description:** This comprehensive course provides an opportunity for acquiring basic life skills and allows students to select specific areas of concentrated study. Emphasis is on work and family, foods, management, adolescent development, selection in care of clothing, consumer spending, housing choices, challenges of child rearing, and guidance in establishing relationships. Leadership development will be provided through Family, Career and Community Leaders of America. A lab fee of \$15.00 covers incidentals, but is mainly used to cover the cost of food preparation in class. Students will also be responsible for buying cloth for sewing projects.

## **TECHNOLOGY EDUCATION**

### **COURSE DESCRIPTIONS**

#### **Course #5941 Industrial Communications & Production**

Grade Level 9

**Credit = 1**

2 Semesters

**Description:** First Semester studies the areas of basic drafting, graphic arts, electricity/electronic communication principles, and current technology. Second Semester studies the fields of construction and manufacturing and related occupations. Also areas in transportation and an introduction to CAD are included.

#### **Course #5953 General Woods**

Grade Level 10, 11, 12

**Credit = 1**

2 Semesters

**Description:** A comprehensive course to provide the student with experiences in working with wood-related tools and machines. Activities and instruction include wood technology, cabinetmaking, and carpentry.

#### **Course #5945 Drafting/Computer Assisted Design Technology**

Grade Level 10, 11, 12

**Credit = 1**

2 Semesters

**Description:** A comprehensive, laboratory-based course that includes the fundamentals of drafting. Sketching, board drafting, and computer applications in drafting and design will be emphasized. Students will use design briefs to solve drafting related problems in the four technology systems.

#### **Course #5957 Manufacturing Technology**

Grade Level 10, 11, 12

**Credit = 1**

2 Semesters

Pre-requisite: General Woods

**Description:** A broad based course taught in a laboratory setting. Its content includes the study of and use of the materials, processes, tools, and machines associated with manufacturing systems. The content also includes product research, design and engineering, as well as organization, operation, and management of a manufacturing enterprise. Opportunities are provided to apply problem solving and critical thinking skills through the development of a product.

## **BUSINESS EDUCATION COURSE DESCRIPTIONS**

### **Course #5614 Computer & Technology Applications**

Grade Level 9, 10, 11, 12

**Credit = ½**  
1 Semester

**Description:** This course is designed to provide students with entry level experience with practical applications through hands on use of word processing, spreadsheets and graphs, database management, desktop publishing, presentation software, desktop management, electronic communications and the Internet. Leadership development will be provided through FBLA.

### **Course #5650 Word Processing**

Grade Level 11, 12 (Offered 2009-10 and alternating years)

**Credit = 1**  
2 Semesters

Pre-requisite: Computer Applications

**Description:** The students will spend two to three weeks reviewing the touch system of keying with emphasis on proper technique and developing speed and accuracy. The student will apply techniques for composing, proofreading, editing, word division, capitalization, and punctuation for production of mailable copies of letters, business forms, tables, and reports. In-depth instruction for the generation of desktop publishing documents, spreadsheets, graphics, graphs, charts, and databases through application is a vital part of this course. The student will also research career opportunities in computer-related careers. A computerized workstation with appropriate software is required for each student. Leadership development will be provided through FBLA.

### **Course #5615 Advanced Computer & Technology Applications**

Grade Level 11, 12 (Offered 2010-2011 and alternating years)

**Credit = 1**  
2 Semesters

Pre-requisite: Computer & Technology Applications

**Description:** This course is designed to provide students an advanced-level experience with practical applications through hands-on instruction. Course content will include understanding of various hardware, software, operating systems, care/operations, administrative applications, and employability skills. The software includes advanced business applications using word processing, presentation, spreadsheets, database management, desktop publishing, and electronic communication. Leadership development will be provided through FBLA. Upon completion of this course, a student will be ready to take the core level tests for MOS Certification and/or the Administrative Support Skill Standards Certificate.

### **Course #5647 Mathematics for Business & Industry**

Grade Level 10, 11, 12

**Credit = 1**  
2 Semesters

Pre-requisite: Keyboarding

**Description:** This course enables the student to explore mathematical content for personal, business, and industrial use. Math concepts and skills are applied through study and problem-solving activities in real-world situations in the following areas: banking, measurement, borrowing and investing, consumer purchases, and financial management. Appropriate business forms are used in each unit. Leadership development will be provided through FBLA.

**Course #5610 Accounting & Finance Foundations (Accounting I)**

Grade Level 10, 11, 12

Pre-requisite: Keyboarding

**Credit = 1**  
2 Semesters

**Description:** This course will provide an introduction to both areas of accounting and finance. Topics will include banking, credit, financial literacy, career exploration, spreadsheet usage, and technical writing. The accounting principles taught in this course are based on a double-entry system and include preparing bank reconciliations, payroll taxes, and financial statements. Detailed career exploration in the various fields of accounting will be available. Technical writing will be provided through IPAC business plan curriculum and exploration of case studies. Leadership development will be provided through FBLA.

**Course #5611 Financial Accounting (Accounting II)**

Grade Level 11, 12

Pre-requisite: Accounting & Finance Foundations (Accounting I)

**Credit = 1**  
2 Semesters

**Description:** The accounting principles taught in this course include an in-depth study of accounting principles, procedures, and techniques used in keeping financial records for sole proprietorships, partnerships, and corporations. There is an emphasis on automated accounting. Topics include a more analytical approach to accounting. Leadership development will be provided through FBLA.

**Course #5669 Business Co-op**

Grade Level 12 (only)

Pre-requisite: Working toward completion of a business certificate.

**Credit = 1-2**  
2 Semesters

**Description:** Students work in an approved training station at least 2 hours per school day, completing a minimum number of work hours during the school year AND must complete the class work successfully. Students will attend regular class in the morning and have their work experience in the afternoon. Students involved in Co-op should be enrolled in Electronic Office and working on the completion of a business certificate.

**FUTURE BUSINESS LEADERS OF AMERICA (FLBA)** is the student organization for Business and Office Education students. FBLA activities will be included in business and office classes. Although membership is not required, students are encouraged to become involved in these activities.

## **MARKETING EDUCATION** **COURSE DESCRIPTIONS**

### **Course #5754 Retail Marketing**

Grade Level 10, 11,12

**Credit = 1**

2 Semesters

**Description:** This course is designed to provide an overview of the marketing responsibilities of individuals employed in the retail industry. This course is based on the business and marketing core that includes communication skills, operations, distribution, marketing-information management, pricing, product/service management, promotion and selling. The Kentucky Occupational Retail Services Skill Standards are integrated into this course giving students the opportunity to receive Retail Skill Standards Certification. Leadership development will be provided through DECA.

### **Course #5754 Sports Marketing**

Grade Level 10, 11

**Credit = 1**

2 Semesters

**Description:** This course is designed to provide training of skills necessary for positions in the Sports and Entertainment field and expose the students to jobs at the mid-management, specialist or supervisory level. Instruction includes marketing skills, skills and techniques of advertising and promotions, psychology of selling, and management associated with the marketing of leisure-time activities and events. Leadership development will be provided through DECA.

### **Course #5756 Web Page Design**

Grade Level 10, 11, 12

**Credit = 1**

2 Semesters

**Description:** Students analyze the structure of the worldwide web, apply basic principles of web documents and HTML, and develop multi-media web pages. Course content will include the understanding of hypertext and web structures. Equipment such as scanners, digital and video cameras, and sound recording devices will be utilized through hands-on instruction. Leadership development will be provided through DECA or FBLA.

### **Course #5759 Advanced Marketing**

Grade Level 1,12

**Credit = 1**

2 Semesters

Pre-requisite: Sports or Retail Marketing

**Description:** This course is designed to enhance marketing skills developed in the marketing prerequisite courses and to learn advanced marketing skills in such areas as advertising, customer service, supervision, employee/employer relations, etc. for a wide range of marketing careers. This course offers the opportunity for developing advanced skills that are appropriate for careers in sports marketing, hospitality and tourism, general marketing, retailing, hotel/motel, etc. Leadership development will be provided through DECA.

### **Course #9759 Co-op Marketing**

Grade Level 12 (only)

**Credit = 1-2**

2 Semesters

Pre-requisite: Sports Marketing, Retail Marketing or Advanced Marketing.

Students must have the recommendation of a teacher.

**Description:** Students work in an approved training station, completing a minimum number of work hours during the school year AND must complete the class work successfully.

**DISTRIBUTIVE EDUCATION CLUBS OF AMERICA (DECA)** is an integral part of the Marketing program. Although membership is not required, many chapter projects are conducted through in-class activities and students are encouraged to become involved in these activities.

## **VOCATIONAL SCHOOL INFORMATION**

Students of Dayton High School have the opportunity to enroll as part-time students in vocational school. Students so enrolled will be able to earn a diploma from Dayton. If a student enrolls, passes their course, and completes a minimum of 480 hours, they will receive three (3) credits a year toward graduation for a maximum of two (2) years for a total of six (6) credits and a certificate from the vocational school. **The student may, at the same time, also earn college credits that can be transferred to Gateway Community and Technical College upon graduation, upon completion of the proper paperwork.**

**Qualifications:** To qualify for this program, a student must have completed the sophomore year, be sixteen (16) years of age and meet the requirements for the special vocational area that is of interest.

A conference with the counselor, the recommendation of the administration, and written parental permission are required before a student can be admitted to the program.

**Special Note:** Since the calendars for Dayton High School and Chapman Career & Technical Center may not be exactly the same, the student may be required to attend Chapman on days Dayton is not in session and vice versa.

### **CHAPMAN CAREER & TECHNICAL CENTER 25th & MADISON- COVINGTON, KY**

---

#### **COURSE OFFERINGS AND DESCRIPTIONS**

##### **Course #5762 Auto Body**

Grade Level 11, 12

**Credit = 3**

2 Semesters

**Description:** This course teaches the fundamentals of straightening and repairing all types of panel damage, replacing damaged panels on both steel and fiberglass automobile bodies and the refinishing of an area to its original color. Emphasis is also placed on acquiring the skill and technical knowledge to diagnose and repair damage to the frame, front suspension and steering, to trouble shoot and repair the cooling/air conditioning and electrical systems, to replace all types of glass, exterior and interior trim and accessories, to adjust and align body components, and to perform customer servicing of washing, waxing, and interior cleaning.

##### **Course #5763 Automotive Technology**

Grade Level 11, 12

**Credit = 3**

2 Semesters

**Description:** This course is designed toward objectives that serve as a foundation to build a sound entry level education in the Automotive Technology field with skill development in the eight high-tech fields of: 1) Engine theory and repair, 2) Automatic transmission, 3) Manual transmission, 4) Suspension, 5) Brakes, 6) Electrical theory, 7) Air conditioning, and 8) Fuel systems including carburetor and fuel injection. At the end of the second year the student has the opportunity to acquire specific skills that will enhance his/her work habits and produce positive rewards in the field.

**Course #5766 Carpentry**

Grade Level 11, 12

**Credit = 3**

2 Semesters

**Description:** This class is designed to prepare the student for employment in the home building and remodeling industry. Carpentry covers all phases of home building from footings and foundations to roof rafter and shingles. Students will receive training and hands-on experience in hand tools, power tools, blueprint reading, and carpenter's math employability skills. Field trips are used to give students an opportunity to see job conditions, employment opportunities, and observe skilled craftsmen in real life situations. Students will develop their hands-on abilities through building full-scale houses and individual projects in the shop area.

**Course #5777 Masonry**

Grade Level 11, 12

**Credit = 3**

2 Semesters

**Description:** Students will build and repair various types of brick, block and stone walls. They will practice mixing and handling various types of mortar, cement, and concrete and will perform labor tasks associated with the trade. The students will learn the correct use of the tools and the safety procedures required in masonry activities.

**Course #5931 Child Care**

Grade Level 11, 12

**Credit=3**

2 Semesters

**Description:** This is a child care course designed to give students the opportunity to become gainfully employed in working with children. Occupations for which this course provides training are: child care aid or teacher in day care centers, child care aid in nursery schools and kindergartens, operator or aid of various other group programs for young children. Activities include classroom instruction, audiovisual presentation, field trips, observing and working with children in the laboratory and observing and participating in established programs for young children in the community.

**Course # 5771 A+Computer Systems**

Grade Level 11, 12

**Credits=3**

2 Semesters

**Description:** This course explores computer maintenance and repair by reinforcing general knowledge and terms of PCs and then by investigating CPUs, power supplies, motherboards, memory, drives and peripherals. Safety and maintenance will be stressed. Troubleshooting techniques including disassembly, reassemble and upgrading will be covered. Basic concepts of DOS, WIN 95/98/2000 will be explored. The course will also do some web page composition utilizing Front Page.

**Course #5571 Computer Systems Technology**

Grade Level 11, 12

**Credit=3**

2 Semesters

**Description:** This course is designed to train students in the latest computer systems technology-CISCO. It will prepare students to pass Net+ and CCNA certification tests. These courses are designed to allow students to progress through different levels of certification.

**Course #5772 Graphic Communications**

Grade Level 11, 12

**Credit=3**

2 Semesters

**Description:** This course teaches basic skills and safety procedures involved in the field of graphic communications. This class provides training in computer typesetting, layout and design, process camera work, stripping/image assembly, plate making, press work, binding, silk screening, black & white photography and includes an overall look at the history and evolution of this industry. Students gain experience by planning and creating their own jobs.

**Course #5796 Radio/Television Production**

Grade Level 11, 12

**Credit=3**

2 Semester

**Description:** Radio/Television Production is a hands-on course dealing with basic skills involved in producing radio/television programs. Areas explored are camera work, directing, writing, producing, switching, editing, field and studio production, news writing, and disc jockeying.

**Course #5788 Welding**

Grade Level 11, 12

**Credit=3**

2 Semesters

**Descriptions:** This course is designed to teach the student basic welding theories, blueprint reading, welding symbols, and related math skills. The hands-on tasks include shielded metal arc welding, flux core welding, metallic inert gas welding, tungsten inert gas welding, and oxyacetylene cutting and carbon air arc cutting are practiced. Stationary pipe welding may also be included depending on the ability of the student and the completion of a prescribed number of tasks.