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## GRADUATION REQUIREMENTS

<b>English</b>	<b>4.0</b>
All students must pass four years of English, which must include the following English I, II, <b>and</b> 2 semesters of English junior year (one literature course and one writing intensive course), <b>and</b> 2 semesters of English senior year (one literature course and one writing intensive course). All students must have one credit of English Writing Intensive and one credit of English Literature.*	
<b>Science</b>	<b>3.0</b>
Physical Science, Biology I, and one elective*	
<b>Math</b>	<b>3.0</b>
All students must pass three years (3 levels) of high school math.	
<b>Social Studies</b>	
U.S. History	<b>1.0</b>
Civics	<b>.5</b>
Electives*	<b>1.5</b>
<b>Consumer Education</b>	<b>.5</b>
<b>Health</b>	<b>.5</b>
<b>Computer Technology</b>	<b>1.0</b>
All freshmen take <b>Keyboarding II</b> and <b>Software Applications</b>	
<b>P.E.</b>	<b>3.5</b>
Required each semester except while taking Health (PE exemptions are listed in Brimfield CUSD #309 Board Policy 221.0)	
<b><u>Total Writing Intensive Courses Credits (included in the 28 total)</u></b>	<b><u>2.0</u></b>
<b><u>Total Required Credits</u></b>	<b><u>19.5</u></b>
<b><u>Total Elective Credits</u></b>	<b><u>8.5</u></b>
<b><u>Grand Total Required to Graduate</u></b>	<b><u>28.0</u></b>

*Note:* All courses are .5 credits per semester, with the exception of Co-op Work, Work-Based Learning, and TERM courses.

All juniors are required by the ISBE to take the Prairie State Achievement Exam (PSAE) during the spring semester.

\*See the course descriptions to determine which courses are electives.

## FOUR YEAR PLAN

The chart represents the sequence of coursework for core classes

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
<b>ENGLISH</b>	English I	English II	English Literature (0.5) English writing intensive (0.5)	English Literature (0.5) English writing intensive (0.5)
<b>MATH</b>	Algebra I	Geometry	Algebra II	Pre-Calculus
	Algebra I	Geometry	Algebra II	Transition to College Math Or Business Math
	Geometry	Algebra II	Pre-Calculus	Calculus
<b>SCIENCE</b>	Physical Science	Biology	Chemistry and/or Anatomy/Physiology and/or Biology II/Veterinary Science	Physics and/or Chemistry II and/or Forensics I/Forensics II
<b>SOCIAL SCIENCE</b>	Intro to Soc/Psych	US History I or US History II And Intro to Soc/Psych	Civics and/or Psychology and/or Modern World History and/or Ancient World History	Psychology and/or Modern World History and/or Ancient World History
<b>PHYSICAL EDUCATION</b>	Physical Education	Physical Education/Health	Physical Education	Physical Education
<b>COMPUTER TECHNOLOGY</b>	Keyboarding/ Software			
<b>CONSUMER EDUCATION</b>		Consumer Education		

# STANDARDIZED TESTING

Student progress will be assessed yearly through standardized testing

- Freshman and sophomores will participate in NWEA MAP testing two times per year – September and February – **This test is required of all students.**
- SAT – juniors (April)
- ISA – all biology students (spring semester)

Optional standardized tests for students to participate in are listed below. Sign-up for these tests are typically a month before the test is administered and is listed in the daily announcements and on the Guidance tab of the BHS website.

- PSAT/NMSQT (OCTOBER)
  - This test is for sophomores and juniors. Juniors who score well enough may qualify for scholarships

## COLLEGE ADMISSIONS

The requirements for graduating from Brimfield High School may be different from college entrance requirements. College admissions offices use course requirements, admissions test results, and grade point average/class rank in determining whether a student will or will not be admitted. Course requirements vary from one college to another, but most four-year colleges and universities meet the Illinois Board of Higher Education requirements for admission. Listed below are the recommended course requirements (CORE curriculum).

### RECOMMENDED COURSE REQUIREMENTS (CORE CURRICULUM):

1. **English** – Four years of English, including Expository Writing
2. **Mathematics** – Three years including Algebra I, Geometry, and Algebra II. (A fourth year is required for some majors.)
3. **Social Studies** – Three years or more with emphasis on U.S. History, World History, and government (Civics)
4. **Natural Science** – Three years of laboratory science.
5. **Foreign Language** – Two years of the same language, or three at the University of Illinois (or Music, Art, or Vocational – Two years or more).

## **COLLEGE ADMISSIONS TESTS**

### **ACT**

The ACT is offered six times per year. Because the ACT scores are so important in determining college admissions and awarding scholarships, college-bound students should make sure they prepare for the test by completing the CORE curriculum. ACT research shows that students who take the CORE courses score an average of three to four points higher than those who don't take CORE courses. Juniors should plan to take a national test during the of the national test dates. The test is normed for the second semester of junior year, but juniors are welcome to take it in the fall semester as well.

### **SAT**

The SAT is offered seven times per year. The SAT is a globally available test accepted by all U.S. and many international colleges and universities. For more information, visit [sat.org](http://sat.org).

### **SAT Subject Tests**

These hour-long, content-based tests let students distinguish themselves in the college admission process by highlighting their strengths and interests in specific subjects including math, science, history, literature, and languages. For more information, visit [satsubjecttests.org](http://satsubjecttests.org).

## NON-WEIGHTED GPA

The GPA is figured using a 4.0 scale.

A = 4.0

B = 3.0

C = 2.0

D = 1.0

F = 0.0

## WEIGHTED GPA AND CLASSES

(Class of 2019-2020)

### Weighted courses:

Calculus

Statistics (ICC Math 111)

Anatomy & Physiology (ICC BIOL 140)

Biology of Man (ICC BIOL 111)

Chemistry II

Modern World History

Spanish IV

Students who take weighted courses will be given additional points for the grade earned in those courses according to this schedule.

A = 0.04

B = 0.03

C = 0.02

D = 0.01

F = 0.00

i.e. John Doe has all A's in 7 courses.

6 were non-weighted       $6 \times 4.0 = 24.00$

1 was weighted       $1 \times 4.04 = \underline{4.04}$   
28.04

Then 28.04 divided by 7 = 4.0057 (weighted GPA)

# NCAA ELIGIBILITY CENTER QUICK REFERENCE GUIDE

## NCAA Division I Initial-Eligibility Requirements

### **Core Courses: (16)**

- **Initial full-time collegiate enrollment before August 1, 2016:**
  - **Sixteen (16) core courses** are required (see chart below for subject-area requirements).
- **Initial full-time collegiate enrollment on or after August 1, 2016:**
  - **Sixteen (16) core courses** are required (see chart below for subject-area requirements).
    - Ten (10) core courses completed before the seventh semester; seven (7) of the 10 must be in English, math or natural/physical science.
    - These courses/grades are "locked in" at start of the seventh semester (cannot be repeated for grade-point average [GPA] improvement to meet initial-eligibility requirements for competition).
  - *Students who do not meet core-course progression requirements may still be eligible to receive athletics aid and practice in the initial year of enrollment by meeting academic redshirt requirements (see below).*

### **Test Scores: (ACT/SAT)**

- Students must present a corresponding test score and core-course GPA on the sliding scale (see Page No. 2).
  - **SAT:** critical reading and math sections.
    - Best subscore from each section is used to determine the SAT combined score for initial eligibility.
  - **ACT:** English, math, reading and science sections.
    - Best subscore from each section is used to determine the ACT *sum* score for initial eligibility.
- All ACT and SAT attempts *before* initial full-time collegiate enrollment may be used for initial eligibility.
- **Enter 9999 during ACT or SAT registration to ensure the testing agency reports your score directly to the NCAA Eligibility Center. Test scores on transcripts will not be used.**

### **Core Grade-Point Average:**

- Only core courses that appear on the high school's List of NCAA Courses on the NCAA Eligibility Center's website ([www.eligibilitycenter.org](http://www.eligibilitycenter.org)) will be used to calculate your core-course GPA. Use this list as a guide.
- **Initial full-time collegiate enrollment before August 1, 2016:**
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale A (see Page No. 2).
  - Core-course GPA is calculated using the **best 16 core courses** that meet subject-area requirements.
- **Initial full-time collegiate enrollment on or after August 1, 2016:**
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see Page No. 2).
  - Core-course GPA is calculated using the **best 16 core courses** that meet both progression (10 before seventh semester; seven in English, math or science; "locked in") and subject-area requirements.

#### **DIVISION I**

##### **Core - Course Requirement (16)**

- 4 years of English
- 3 years of math (Algebra I or higher)
- 2 years of natural/physical science (1 year of lab if offered)
- 1 year of additional English, math or natural/physical science
- 2 years of social science
- 4 years of additional courses (any area above, foreign language or comparative religion/philosophy)

#### **DIVISION I – 2016**

##### **Qualifier Requirements**

*\*Athletics aid, practice, and competition*

- 16 core courses
  - Ten (10) core courses completed before the start of seventh semester. Seven (7) of the 10 must be in English, math or natural/physical science.
    - "Locked in" for core-course GPA calculation.
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see Page No. 2)
- Graduate from high school.

#### **DIVISION I – 2016**

##### **Academic Redshirt Requirements**

*\*Athletics aid and practice (no competition)*

- 16 core courses
  - No grades/credits "locked in" (repeated courses after the seventh semester begins may be used for initial eligibility).
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale B (see Page No. 2)
- Graduate from high school.



<b>Sliding Scale A</b>		
<i>Use for Division I prior to August 1, 2016</i>		
<b>NCAA DIVISION I SLIDING SCALE</b>		
<b>Core GPA</b>	<b>SAT</b>	<b>ACT Sum</b>
	Verbal and Math ONLY	
3.550 & above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	60
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	80
2.125	960	81
2.100	970	82
2.075	980	83
2.050	990	84
2.025	1000	85
2.000	1010	86

<b>Sliding Scale B</b>		
<i>Use for Division I beginning August 1, 2016</i>		
<b>NCAA DIVISION I SLIDING SCALE</b>		
<b>Core GPA</b>	<b>SAT</b>	<b>ACT Sum</b>
	Verbal and Math ONLY	
3.550	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	60
2.700	740	61
2.675	750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840	70
2.425	850	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.299	910	76
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	81
2.125	970	82
2.100	980	83
2.075	990	84
2.050	1000	85
2.025	1010	86
2.000	1020	86

For more information, visit [www.eligibilitycenter.org](http://www.eligibilitycenter.org) or [www.2point3.org](http://www.2point3.org)

# NCAA ELIGIBILITY CENTER QUICK REFERENCE GUIDE

## Division II Initial-Eligibility Requirements

### Core Courses

- **Division II currently requires 16 core courses.** See the chart below.
- **Beginning August 1, 2018**, to become a full or partial qualifier for Division II, all college-bound student-athletes must complete the 16 core-course requirement.

### Test Scores

- **Division II** currently requires a minimum SAT score of 820 or an ACT sum score of 68. **Beginning August 1, 2018**, Division II will use a sliding scale to match test scores and core-course grade-point averages (GPA). The sliding scale for those requirements is shown on Page No. 2 of this sheet.
- The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a **sum** of the following four sections: English, mathematics, reading and science.
- **When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.**

### Grade-Point Average

- Be sure to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website ([www.eligibilitycenter.org](http://www.eligibilitycenter.org)). Only courses that appear on your school's approved List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- The current **Division II** core GPA requirement is a minimum of 2.000. **Division II** core GPA required to be eligible for competition on or after August 1, 2018, is 2.200 (corresponding test-score requirements are listed on the Sliding Scale on Page No. 2 of this sheet).
- The minimum **Division II** core GPA required to receive athletics aid and practice as a partial qualifier on or after August 1, 2018, is 2.000 (corresponding test-score requirements are listed on the Sliding Scale on Page No. 2 of this sheet).
- Remember, the NCAA core GPA is calculated using NCAA core courses only.

DIVISION II 2016 Core Courses	
3	years of English.
2	years of mathematics (Algebra I or higher).
2	years of natural/physical science (1 year of lab if offered by high school).
3	years of additional English, mathematics or natural/physical science.
2	years of social science. 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

**DIVISION II  
COMPETITION SLIDING SCALE**

*Use for Division II beginning August 1, 2018*

Core GPA	SAT Verbal and Math ONLY	ACT Sum
3.300 & above	400	37
3.275	410	38
3.250	420	39
3.225	430	40
3.200	440	41
3.175	450	41
3.150	460	42
3.125	470	42
3.100	480	43
3.075	490	44
3.050	500	44
3.025	510	45
3.000	520	46
2.975	530	46
2.950	540	47
2.925	550	47
2.900	560	48
2.875	570	49
2.850	580	49
2.825	590	50
2.800	600	50
2.775	610	51
2.750	620	52
2.725	630	52
2.700	640	53
2.675	650	53
2.650	660	54
2.625	670	55
2.600	680	56
2.575	690	56
2.550	700	57
2.525	710	58
2.500	720	59
2.475	730	60
2.450	740	61
2.425	750	61
2.400	760	62
2.375	770	63
2.350	780	64
2.325	790	65
2.300	800	66
2.275	810	67
2.250	820	68
2.225	830	69
2.200	840 & above	70 & above

**DIVISION II  
PARTIAL QUALIFIER SLIDING SCALE**

*Use for Division II beginning August 1, 2018*

Core GPA	SAT Verbal and Math ONLY	ACT Sum
3.050 & above	400	37
3.025	410	38
3.000	420	39
2.975	430	40
2.950	440	41
2.925	450	41
2.900	460	42
2.875	470	42
2.850	480	43
2.825	490	44
2.800	500	44
2.775	510	45
2.750	520	46
2.725	530	46
2.700	540	47
2.675	550	47
2.650	560	48
2.625	570	49
2.600	580	49
2.575	590	50
2.550	600	50
2.525	610	51
2.500	620	52
2.475	630	52
2.450	640	53
2.425	650	53
2.400	660	54
2.375	670	55
2.350	680	56
2.325	690	56
2.300	700	57
2.275	710	58
2.250	720	59
2.225	730	60
2.200	740	61
2.175	750	61
2.150	760	62
2.125	770	63
2.100	780	64
2.075	790	65
2.050	800	66
2.025	810	67
2.000	820 & above	68 & above

## BHS LIST OF NCAA APPROVED CORE COURSES

### English

AMERICAN CULTURE I  
AMERICAN CULTURE II  
CLASSICAL WORLD LITERATURE  
CREATIVE WRITING  
DRAMATIC LITERATURE  
ENGLISH 1  
ENGLISH 2  
EXPOSITORY WRITING  
EXPOSITORY WRITING I – ENGL 110  
EXPOSITORY WRITING II – ENGL 111  
LITERATURE IN POPULAR CULTURE  
READING & WRITING FOR INQUIRY  
SPEECH AND COMMUNICATION

### Social Science

ADVANCED STUDY IN SOCIAL STUDIES  
ANCIENT WORLD HISTORY  
CIVICS  
GEOGRAPHY  
ILLINOIS HISTORY  
INTRODUCTION TO ECONOMICS  
INTRODUCTION TO SOCIOLOGY AND  
PSYCHOLOGY  
MODERN WORLD HISTORY  
PSYCHOLOGY  
US HISTORY I  
US HISTORY II

### Mathematics

ALGEBRA 1  
ALGEBRA 2  
CALCULUS  
GEOMETRY  
CONCEPTS OF MATH – MATH 110  
STATISTICS – MATH 111

PRE-CALCULUS

### Natural/Physical Science

BIOLOGY  
BIOLOGY II  
CHEMISTRY  
CHEMISTRY II  
EARTH SCIENCE  
FORENSIC SCIENCE I  
FORENSIC SCIENCE II  
ANATOMY AND PHYSIOLOGY – BIOL 140  
BIOLOGY OF MAN – BIOL 111  
PHYSICAL SCIENCE  
PHYSICS

### Additional Core Courses

**IMPORTANT NOTE:** Computer science courses *cannot* be used to fulfill core course requirements for student-athletes first entering a collegiate institution

SPANISH 1  
SPANISH 2  
SPANISH 3  
SPANISH 4

## **Course Changes**

- Allowed only through the first week of school and the first week of the second semester
- Full-year courses may not be dropped at semester

## **Is online learning right for you?**

Students should realize that taking a course online requires personal discipline and good time management skills. Students may spend more time taking an online course than they typically devote toward a traditional school class.

### **ICC classes**

- Senior
- Absent and/or tardy maximum of 10 days (if miss 10 days during 1<sup>st</sup> semester, will become ineligible to take a class the following semester)
- 3.0 GPA
- Must have administrative approval prior to taking class
- Only one online dual credit may be taken per semester
- May only take classes offered online for college-only credit (cannot be combined with a dual credit online course)
- Grades awarded follow the BHS grading scale
- Signed contract with BHS

### **Virtual High School Classes (excluding credit recovery courses)**

- Absent and/or tardy maximum of 10 days
- 3.0 GPA
- Must have administrative approval prior to taking class
- Only one course per semester
- Drop days are the same as BHS classes
- Students are responsible for registering for their online course
- Grades awarded follow the BHS grading scale regardless of suggested grade at IVS
- Signed contract with BHS
- Class cannot also be offered at BHS
- No extension will be allowed

### **Course Fees**

Brimfield High School will collect course fees from students who elect to take an online dual credit course. Fees are due immediately. The course will not be approved until fees are paid to the high school.

# CAREER CLUSTERS

	<p>The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.</p>
	<p>Careers in designing, planning, managing, building and maintaining the built environment.</p>
	<p>Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.</p>
	<p>Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.</p>
	<p>Planning, managing and providing education and training services, and related learning support services.</p>
	<p>Planning, services for financial and investment planning, banking, insurance, and business financial management.</p>
	<p>Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.</p>

	<p>Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.</p>
	<p>Hospitality &amp; Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.</p>
	<p>Preparing individuals for employment in career pathways that relate to families and human needs.</p>
	<p>Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.</p>
	<p>Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.</p>
	<p>Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.</p>
	<p>Planning, managing, and performing marketing activities to reach organizational objectives.</p>





Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.



Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

## **ENGLISH DEPARTMENT**

### **ENGLISH I** – required

01001A000

Grade 9

two semesters – 1.0 credit

**Literature** - A variety of reading experiences, which develop interpretive and comprehension skills are presented. Students will be introduced to the basics in the following areas: short story, non-fiction, drama, and the novel. Students will be encouraged to read independently.

**Composition** – Emphasis will be on the process of writing effective paragraphs. Students will move step by step through the process of writing paragraphs that communicate ideas clearly and in a variety of ways. Key elements in the process include: detailed word usage, improved sentences, choosing topics, organizing and developing topics, writing clearly and effectively, and revision and refining their writing.

**Vocabulary** – A systematic approach to vocabulary building will help students to understand and to use words effectively. Students will study words in depth and in a variety of contexts.

**Speech** – Students will acquire some basic skills necessary in giving short formal speeches (introductions, demonstration, informative, and persuasive).

### **ENGLISH II** – required

01002A000

Grade 10

two semesters – 1.0 credit

*Prerequisite:* English I

1<sup>st</sup> Semester: (Writing Intensive)

**Composition** – Emphasis will be on the process of writing effective papers on a variety of writing topics for different purposes, including descriptive, persuasive, and expository. Students will utilize the steps of the writing process to effectively develop ideas, write drafts, revise and edit, and produce a final draft. Additionally they will demonstrate the ability to write for a variety of audiences and purposes. Grammar concepts based on the writing will be discussed and applied. A research paper assignment is a major component of this course and students will be introduced to the steps of writing a research paper.

**Vocabulary** – Students will complete vocabulary units designed to improve reading comprehension skills, increase vocabulary recognition, and develop usage skills.

2<sup>nd</sup> Semester:

**Literature** – Emphasis will be focused on fiction and applying reading strategies to a variety of short stories and novels which will be assigned for book reports. Students will identify and

## **ENGLISH II** – con't

interpret themes and values representative of literary works and demonstrate knowledge of these through written papers and class discussion.

**Composition** – Writing assignments based on literature will include expository assignments, a technology PowerPoint project, and an interview paper which will be presented. Students will complete career exploration activities and complete resumes, business correspondence, and an employability portfolio.

**Vocabulary** - Students will complete vocabulary units designed to improve reading comprehension skills, increase vocabulary recognition, and develop usage skills.

## **EXPOSITORY WRITING (Writing Intensive)** – elective

01103A000

Grade 11 – 12                      one semester – 0.5 credit

*Prerequisites:* English I and II; Reading and Writing for Inquiry Recommended

In Expository Writing, the student will progress from expressive compositions (expressing the ideas of the writer) to writing referential compositions (explaining or analyzing the subject matter for the reader) to writing persuasive compositions (persuading the audience), through critical discussion, exercises, conferences and revision. The majority of the writing is referential.

Expository Writing is a course that focuses on the process of writing as much as the final product. Students should be conscience of their writing process-what works for them, what produces the best final product and what outside resources were used. Students will be graded on 5-7 unit writing assignments and a revised portfolio of writing.

## **LITERATURE IN POPULAR CULTURE** – elective

01064A000

Grades 11 – 12                      one semester – 0.5 credit

*Prerequisites:* English I and II

Literature from all ages and cultures influences our society today. This class will examine the role classic and contemporary literature plays in popular culture. Students will read novels, poems, short stories and nonfictions works, which have had an impact on contemporary movies, television, music, advertising and media. The class will require multiple reading assignments, essay writing (both short and long), project development and presentations that attempt to answer the question: What role has literature played in the development of today's popular culture?

**CREATIVE WRITING (Writing Intensive)** – elective

01104A000

Grades 11 – 12          one semester – 0.5 credit

*Prerequisites:* English I and II

In this semester course, students will participate in a series of ongoing writer's workshops to develop and refine their own creative and expressive texts. To establish background knowledge, students will examine, analyze, critique models of different genres (e.g., poetry, narrative, dramatic scripts) to understand the techniques that creative writers employ. Through the writer's workshops, students will create original texts based on topics of their choosing as well as topics assigned by the teacher to practice writing in different creative genres. Students will be expected to employ specific literary techniques to create expressive texts and develop their personal voice as a writer.

**Media Literacy** – elective

01999A000

**(NOT A NCAA APPROVED CORE COURSE)**

Grades 11 – 12          one semester – 0.5 credit

*Prerequisites:* English I and II

From our understanding of current events and popular culture to our preferences as consumers, the media plays a powerful role in shaping the way we interpret the world. In this course, students will examine various ways that print and non-print media represent and thereby shape our understanding of culture, society, and ourselves. Through analysis of the media (including the newspaper, magazines, the Internet, television), students will develop critical media literacy skills needed to interpret and critique examples of print and non-print media. Student's study and conclusions about the media will be presented in class discussion, personal response, formal essays and presentations.

**READING/WRITING FOR INQUIRY (Writing Intensive)** – elective

01105A000

Grades 11 – 12                      one semester – 0.5 credit

*Prerequisites:* English I and II

In this course students will study the impact of various forms of reading and writing on contemporary society. They will focus on current issues that shape today's world by evaluating the rhetoric of nonfiction texts. Students will write both personal responses and formal critical essays. Students will work through the inquiry process to develop their own research questions. In addition, students will have the opportunity to develop their own communication language through a variety of projects (both creative and structured) and group discussions.

**AMERICAN CULTURE I** – elective

01054A000

Grade 11 – 12                      one semester – 0.5 credit

*Prerequisites:* English I and II

This course will be a survey of American literary ideas, periods, and culture from 1600-1900. Students will read, analyze, and discuss significant works by American authors, focusing on the historical context of the selections and the uniquely American culture and emerging American identity. Religious and philosophical movements, protest, rebellion, social equality, and reform all affected the concept of who an American was and what our nation became.

**AMERICAN CULTURE II** – elective

01054A000

Grade 11 – 12                      one semester – 0.5 credit

*Prerequisites:* English I and II

This course will be a survey of American literary ideas, periods, and culture from 1900-present. Students will read, analyze, and discuss significant works by American authors, focusing on the historical context of the selections and the uniquely American culture and American identity. We will look at the changes and challenges we faced as we became a multicultural society, as we faced wars, industrialization, urbanization, and became a leading world power in the 20<sup>th</sup> Century. Students will examine aspects of the American character throughout this century. Themes will include idealism, disillusionment, protest, and alienation.

**CLASSIC WORLD LITERATURE** – elective (offered every other year)

01058A000

Grades 11 – 12                      one semester – 0.5 credit

*Prerequisites:* English I and II

Students will read literary classics of world literature and identify and interpret themes and values representative of these literary works. They will analyze the factors that make literature enduring and classic. We will look at the changing role of the individual in society, the growth of philosophical movements and ideas, and the changing economic, social, and cultural influences. Students will be expected to participate in class discussion and complete individual and group projects, which will include a book report project and a group presentation.

**CRITICAL RHETORIC (WRITING INTENSIVE)** – elective  
**(NOT NCAA APPROVED CORE COURSE)**

01102A000

Grades 11                              one semester – 0.5 credit

*Prerequisites:* English I and II

Critical Rhetoric will be a one semester writing course that develops students' writing skills, reading skills, and speaking skills. The assignments will be structured so that students develop skills sequentially throughout the course. Emphasis will be placed on recognizing and using effective rhetorical strategies in writing, evaluating and incorporating sources into compositions, revising and editing essays, writing for a variety of purposes and developing effective vocabulary skills for the SAT examination and for college.

Students will read and analyze rhetorical techniques used in informational texts and other nonfiction writings. Writing assignments will be both informal and formal on a variety of topics. Assignments will include a personal essay of experience, concept definition, problem-solution, editorial, and an analysis of an advertisement.

**SPEECH AND COMMUNICATION** – elective (offered every other year)

01199A000

Grades 9 – 12                      one semester – 0.5 credit

This course will focus on public speaking skills and communication theory. Students will discuss effective communication techniques, construct and deliver public presentations on a variety of topics for different audiences and purposes with the support of technology. Emphasis will be placed on analyzing and applying rhetorical strategies and conventions used by effective speakers.

**DRAMATIC LITERATURE** – elective (offered every other year)

01061A000

Grades 9 – 12                      one semester – 0.5 credit

Students interested in drama, acting, or the history of the theatre should consider drama as an elective course. Students will be introduced to the general history of the theatre, will read and discuss significant dramatic works, will discuss acting techniques, and technical play production. Students will research, write, and perform a final project that reflects their understanding of these different aspects of theatre productions.

**HONORS LITERATURE AND COMPOSITION** – elective

01006A000

Grade 12                      two semesters – 1.0 credit

This course reserved for seniors who meet the prerequisite SAT Reading score of 1070 (ACT Reading score of 21). This rigorous course, with its emphasis on literary analysis, will help prepare students to that the AP English Literature and Composition Exam in May, if they choose to do so. Most highly competitive colleges and universities will award college credit for a score of 3, 4, or 5 on the exam.

Students are expected to read selected texts during the summer before school begins in the fall in preparation for the course. After completing this course, students will be prepared to take the AP Exam and well-prepared for collegiate level English courses.

## **FOREIGN LANGUAGE DEPARTMENT**

### **SPANISH I** – elective

06101A000

Grades 9 – 11                      two semesters – 1.0 credit

The development of the ability to speak Spanish will be emphasized. Conversation will be encouraged and practiced through the use of flexible sentence patterns.

#### **Course Objectives:**

To introduce students to the spoken language so that they will be able to test their aptitude in it. To produce students who can speak the language in terms of: How's the weather?, polite conversations, restaurant order, and information, questions, etc., necessary to shop in a Spanish-speaking country. To encourage the students to continue in the study of Spanish by helping them achieve a limited mastery of it. To help students in finding "short-cuts" to speaking Spanish through the use of rules of grammar. To develop the student's ability to read and write simple Spanish sentences and paragraphs. To develop the student's ability to speak and understand Spanish through its use.

### **SPANISH II** – elective

06102A000

Grades 10 – 12                      two semesters – 1.0 credit

*Prerequisites:* Spanish I

Oral performance will be emphasized and the class will be conducted in Spanish as much as possible. Grammar will be an integral part of the course.

#### **Course Objectives:**

To reinforce grammar usage learned and introduces new grammar forms. To develop the ability to understand spoken Spanish. To continue to develop student fluency through conversation with the teacher and other students. To develop, through practice, the ability to read and write Spanish at least at a fifth-grade level. To introduce students to Spanish culture.



**SPANISH III** – elective

06103A000

Grades 11 – 12                      two semesters – 1.0 credit

*Prerequisites:* Spanish I and II

Spanish III will be a more individualized course than previous Spanish courses in that the students will participate in the selection of the literature to be studied. The course will include the following:

1. The goal is to be fluent in Spanish through usage.
2. Grammar and writing practice as needed.
3. “Speaking experiences”.
4. Independent study in area of one’s choice.
5. Experiences integrating basic technology forms with usage of the language.

**Course Objectives:**

1. To provide an opportunity for students to speak and listen to Spanish only, and thereby develop language fluency.
2. To develop the students’ abilities to write, read, and use correct grammar beyond sixth-grade ability.
3. To produce a student who can speak the Spanish language semi-fluently.
4. Provide opportunities for students to produce multi-media productions using Spanish.

**SPANISH IV** – elective

06104A000

Grade 12                                  two semesters – 1.0 credit

*Prerequisites:* Spanish I, II, and III

The objectives of the AP Spanish Language course are:

1. to develop sufficient listening skills to be able to:
  - a. comprehend formal and informal Spanish
  - b. follow, with general understanding, oral reports and classroom lectures on non-technical subjects
  - c. understand main points and some details of conversations between native speakers
  - d. follow plots of movies and TV shows and understand the main ideas in dialogues
2. to develop proficiency in reading Spanish narratives and literary texts
3. to master the ability to write in Spanish on topics of general interest. This includes control of grammar and vocabulary
4. to develop proficiency in speaking and communicating facts and ideas with good command of grammar, syntax and vocabulary

**Spanish policy notes:**

1. A student who has not successfully completed the first semester of Spanish 1 or Spanish 2 must repeat the first semester before proceeding to the 2<sup>nd</sup> semester of that level.
2. If a student fails the second semester of Spanish 1 or Spanish 2, that semester will have to be successfully retaken when it is next offered before advancing to the succeeding level. *It is strongly advised that the student audit the first semester of that level of Spanish to develop a strong base and reinforce necessary material before proceeding to the next semester of that level.*
3. To advance to Spanish 3, a student must successfully complete Spanish 1 and 2.
4. An incoming student from another school wishing to take Spanish 3 or Spanish 4 must complete a Spanish 2 final semester examination to the satisfaction of the teacher.

## **SOCIAL STUDIES DEPARTMENT**

**UNITED STATES HISTORY I** – I or II required  
Grades 10 – 12                      two semesters – 1.0 credit

04102A000

This course contains an in depth view of early American history. US History I begins with an overview of the Native Americans, Columbus, the American Revolutionary War, the making of the US Constitution, and the national struggle over slavery. Following this study, students will experience an extensive study of the Civil War up to the Progressive Movement of the 1890s.

**UNITED STATES HISTORY II** – I or II required  
Grades 10 – 12                      two semesters – 1.0 credit

04103A000

This course begins with the nation's impulse for imperialism. The course will progress through modern history, emphasizing the Jazz Age, World War II, the Sixties, and recent events. Along the way the students will learn about the importance of the labor unions, the importance of the civil rights movement, and the importance of the U.S. involvement around the world.

**CIVICS** – required  
Grades 11 – 12                      one semester – 0.5 credit

04161A000

Civics is a study of government. This course will focus on the politics of the United States. Other governments will be studied, such as Socialism and Communism, but the focus of this study will be on Democracy. Throughout this course, the Constitution will be looked at in great depth, the students will study the three branches of government, the Amendments, and the class will become familiar with our leaders today. As a part of this class each student will be required to pass the US Constitution exam, and the Illinois Constitution Exam.

**GEOGRAPHY (CULTURAL GEOGRAPHY)** – elective  
Grades 9 – 12                      one semester – 0.5 credit

04001A000

This semester will provide students with an overview of the differences amongst cultures around the world. Emphasis will be placed on geographical context and how each culture compares to the United States. Students will complete at least one in-depth project on a country which they will present to their classmates. Participation and teamwork are key components to this course.

**ANCIENT WORLD HISTORY (Writing Intensive)** – elective 04058A000  
Grades 10 – 12 two semesters – 1.0 credit (offered every other year)

During this year long course, students will start with the very beginnings of history and progress to the 1500s. Some topics of study will be ancient civilizations such as Egypt, and China.

**\*MODERN WORLD HISTORY (Writing Intensive)** – elective 04053A000  
Grades 10 – 12 two semesters – 1.0 credit (offered every other year)

Modern World History is a continuation of Ancient World History and starts with the Renaissance and progresses through to the Vietnam War. Students will compare and contrast events in history to gain a more authentic understanding of events and how they relate to current world happenings.

**CONTEMPORARY WORLD HISTORY (WRITING INTENSIVE)** – elective 04064A000  
Grades 10 – 12 one semester - .5 credit

Contemporary World History will pick up after WWII where Modern World History left off, and continue to present. Topics such as the Vietnam War, The Cold War, Rwandan Genocide, 9/11, and current events will be studied during this semester long course.

**INTRODUCTION TO SOCIOLOGY AND PSYCHOLOGY** – elective 04260A000  
Grades 9 – 10 one semester – 0.5 credit

This course will provide students with an introduction to various disciplines in the social sciences, with an emphasis placed on sociology and psychology. This course will emphasize various methodologies of the social sciences and the differences among the disciplines. Service learning and volunteer work will be required during this semester. This course is a prerequisite to psychology.

**PSYCHOLOGY (Writing Intensive)** – elective  
Grades 11 – 12                      two semesters – 1.0 credit

04254A000

*Recommended:* Introduction to Soc and Psychology

This course will focus on the study of individual human behavior. Course content will include such topics as human growth and development, personality and behavior, and abnormal psychology. Students must have taken the Introduction to Social Science course and attained the grade of “C” or above.

**ADVANCED STUDIES IN SOCIAL SCIENCE - SENIOR PROJECT**

Grade 12                                  one semester – 0.5 credit

This course gives students a chance to put their knowledge of society and civic planning into action. Students in this course will spend the entire semester planning events, learning about how they can change the world around them, developing a plan for change, and then putting these plans into action. Service learning is a major component in this senior level course, and out of class work time will be required. Grades are based on enthusiastic participation in the planning and implementation of projects of their choice.

# **MATHEMATICS DEPARTMENT**

## **ALGEBRA I**

02052A000

Grade 9

two semesters – 1.0 credit

In the first semester students learn about numbers and number relations, mathematical sentences, formulas, positive and negative numbers, and about the four operations with polynomials. Plus a review of arithmetic skills. In the second semester students learn mathematical graphs, systems of equations, products and factoring, fraction equations, powers, roots, radicals, and quadratic equations.

### **Course Objectives:**

1. A student should be able to do the simple operations of algebra.
2. A student should be able to do the operations on and with quadratic equations.
3. A student should accomplish objectives #1 and #2 well enough to continue in mathematics.
4. Improve the student's study skills.

## **GEOMETRY**

02072A000

Grades 9 – 12

two semesters – 1.0 credit

*Prerequisite:* Algebra I

First semester will teach students about inductive and deductive reasoning, triangles, congruence and quadrilaterals. It will also teach how to use the tools of geometry in construction problems. Second semester will teach students about similar polygons, regular polygons, circles, measurements of angles and arcs, coordinate geometry, transformations, area and volumes. A large portion of the course involves proving theorems and statements.

### **Course Objectives:**

1. Teach students to justify all statements with logical reasons.
2. Develop and refine reasoning skills including abstract reasoning.
3. Develop organized thinking skills.
4. Recognize and understand relationships among geometrical figures, including real-world applications.

**ALGEBRA II**

02056A000

Grades 10 – 12          two semesters – 1.0 credit

*Prerequisite:* Algebra I

First semester will give a student a quick review of Algebra I and then teach him/her about real numbers, quadratic equations and inequalities, functions and function relations, ratio, proportions and variation. Second semester will teach a student about the real and imaginary number systems, logarithms, the binomial theorem, probability and advanced topics in quadratic equations.

**PRE-CALCULUS**

02110A000

Grades 11 – 12          two semesters – 1.0 credit

*Prerequisites:* Geometry and Algebra II

First semester will cover basic Pre-Calculus topics. Included are functions, graphs, and Analytic Geometry. Second semester will cover all trigonometry topics and discrete math, time allowing.

**\*CALCULUS**

02121A000

Grade 12          two semesters – 1.0 credit

*Prerequisite:* Pre-Calculus

First semester will include: an intense review of advanced algebra, geometry, coordinate geometry and trigonometry. Also, included will be limits, synthetic division, graphing lines, quadratic, and other functions. Second semester will teach derivatives, anti-derivatives, integration, and relationships among functions.

**CONCEPTS OF MATHEMATICS (MATH 110)**

02002A000

Grades 11 – 12          one semester – 0.5 credit

*Prerequisite:* Algebra II

This course introduces the nature of mathematics through a study of elementary logic, set theory, statistics, geometry, and the mathematics of finance. This course will focus on mathematical reasoning and real-life problem solving. This is not intended to be a survey course or a mathematical appreciation course. A scientific calculator is needed for this course.

**GENERAL EDUCATION STATISTICS (MATH 111)**

02201A000

Grades 11 – 12          one semester – 0.5 credit

*Prerequisite: Algebra II*

This course includes a study of frequency distribution, graphs (histograms, pie charts, etc.), measures of location (mean, median, mode, percentile) measures of dispersion (variance, standard deviation), probability, estimating and prediction, normal distribution, binomial distribution, and correlation. Emphasis will be placed on quantitative proportion of descriptive statistics – gathering, analyzing, presenting and interpreting data. A graphing calculator (preferably the TI-Nspire CX, TI-83, or TI-84) is required for this course.

**TRANSITION TO COLLEGE MATH**

02055A000

Grades 11 – 12          two semesters – 1.0 credit

*Prerequisite: Algebra II or recommendation of math teacher*

This course is designed for junior or senior students who need additional preparation in the math skills before continuing onto college level mathematics or the workforce. The main emphasis of this course is to build upon and strengthen math concepts the students have been exposed to, but not yet mastered. This course will review topics previously student in algebra and geometry, including, but not limited to, linear, quadratic, exponential, and trigonometric functions, angles, the Pythagorean Theorem, and area of regular and composite shapes.



## **SCIENCE DEPARTMENT**

### **ALL SCIENCE CLASSES HAVE A LAB FEE**

#### **PHYSICAL SCIENCE** – required

03159A000

Grade 9                      two semesters – 1.0 credit

**First semester:** Chemistry- topics cover periodic table, understanding chemical equations, and organic chemistry.

**Second semester:** Physics- topics include motion, forces, machines, work, and energy.

#### **Course Objectives:**

1. To develop basic principles of chemistry and physics.
2. To provide “hands-on” learning experiences through laboratory experimentation to help understand the basic principles of chemistry and physics.
3. To apply the basic laws of science to society and technology in the world today.
4. To expose the students to career opportunities in the fields of chemistry and physics.

#### **BIOLOGY I** – required

03051A000

Grade 10                      two semesters – 1.0 credit

Biology will cover cell biology, genetics, evolution, ecology micro-organisms, plants, invertebrates, vertebrates, some human biology, and basic chemistry of living things. The students will do many labs and will also learn how to write scientifically as well as how to design labs.

#### **BIOLOGY II** – elective

03062A000

Grades 11 – 12              one semester – 0.5 credit

*Prerequisites:* Physical Science and Biology I

Biology II will include the wildflowers, fish, birds, and other species of Illinois. A closer look at the anatomy and physiology of life forms such as plants, arthropods, echinoderms, fish, reptiles, mammals, and humans. Looking at their environment, behavior, how they develop, reproduce, how they interact and survive together. This class will spend time at Jubilee Park learning about wildlife and helping to improve the environment. This class is for those who want to get out into nature and learn from it.

**CHEMISTRY I** – elective

03101A000

Grades 11 – 12

two semesters – 1.0 credit

*Prerequisites:* Physical Science, Biology I, and Algebra I

Chemistry is introduced as an experimental science. Concepts are developed which are fundamental to understanding the theory of atoms and molecules in chemistry. Other topics include chemical bonds, chemical reactions, phases of matter, solutions, acids and bases.

**Course Objectives:**

1. To develop the basic principles and concepts of chemistry.
2. To develop skills in Chemical Laboratory procedures.
3. To use the periodic table as a tool for solving problems and writing and balancing equations.
4. To apply the basic principles and concepts learned to interpret and understand natural phenomena and today's chemical technology.

**\*CHEMISTRY II** – elective

03102A000

Grades 11 – 12

two semesters – 1.0 credit

*Prerequisites:* "C" or better in Chemistry and Algebra I, current enrollment or completion of Pre-Calculus

A review of first-year chemistry topics and an advanced study of new topics including organic chemistry, polymers, thermochemistry, equilibrium, oxidation and reduction, and nuclear reactions.

**Course Objectives:**

1. To review and finish course books.
2. To introduce advanced topics of study.
3. To provide the opportunity for independent research and experiments.

**PHYSICS I** – elective

03151A000

Grades 11 – 12      two semesters – 1.0 credit

*Prerequisites:* Two years of Science, geometry, completion and/or current enrollment in Trigonometry/Calculus

Introduction to fundamental concepts of modern Physics: measurement of time and space, motion, mass, forces, energy, work, momentum, wave mechanics, electricity, magnetism, and nuclear physics. Laboratory experiences will help convey some understanding of how scientists work as well as developing concepts of Physics.

**Course Objectives:**

1. To introduce the technology of Physics as a purposeful mode of inquiry.
2. To show how physical knowledge is acquired experimentally and woven into physical theory.
3. To apply the Physical Theory learned to the solution of problems and to an understanding of today's technology.
4. An ability to solve problems; Identify needed knowledge, extracting information, making logical decisions, applying old and new solutions to new and old problems.

**\*BIOLOGY OF MAN (BIOL 111)** – elective

03052A000

Grades 11 - 12      one semester – 0.5 credit (ICC dual credit – 4 credits)

This course develops an understanding of the biological nature of man including their reproduction, genetics, origin and evolution of man. Students will take an in-depth look at cell structure, DNA, human embryology, genetics, and how each is an important step in the evolution of man. Class includes twelve labs covering all major topics such as cells, mitosis/meiosis, human embryology and contraception, Human genetics, biotechnology and crime scene investigation, and vertebrate evolution.

Students taking a dual credit class, students must:

- apply to ICC
- follow ICC syllabus
- take placement test and qualify to take ENG 110 or have scored a 18 or higher on the Reading portion of the ACT
- be at least 16

**\*ANATOMY & PHYSIOLOGY (BIOL 140)** – elective

03053A000

Grades 11 – 12                      one semester – 0.5 Credit (ICC dual credit – 4 credits)

*Prerequisite:* Grade of “C” or better in Biology I

A study of the function and structure of the human body. Presents an investigation of human organisms on the cellular, histological, and organ systems level of development. Relationships of anatomy and physiology are considered. The perfect class for any student planning to attend college; especially for students interested in the medical field.

Will include and optional trip to a cadaver lab.

Students taking a dual credit class, students must:

- apply to ICC
- follow ICC syllabus
- take placement test and qualify to take ENG 110 or have scored a 18 or higher on the Reading portion of the ACT
- be at least 16

**FORENSIC SCIENCE I** – elective

21014A000

Grades 11 – 12                      one semester – 0.5 credit

*Prerequisites:* Physical Science and Biology I

An introductory forensic science course that allows the student to experience the possible careers in forensic science such as Forensic Anthropology, Forensic Entomology, Forensic Serology, Forensic Toxicology, Crime Scene Investigator, Forensic Engineering, Forensic Odontology, and Crime Lab Analyst. Forensic Science teaches the student how to apply concepts that they have learned in math, genetics, physical science, art, English, social studies, and foreign language to solve real life problems. Students will be using famous cases such as the O.J Simpson trial, Jon Benet Ramsey case, and the Lindberg baby kidnapping. Students will learn how to collect and identify fingerprints, how to collect and analyze a blood sample for blood type, how to collect and analyze microscopic evidence, forensic document analysis (using chromatography) and many more lab activities.

**FORENSIC SCIENCE II** – elective

21014A000

Grades 11 – 12          one semester – 0.5 credit

*Prerequisites:* Physical Science, Biology I, Forensic Science I

**\*\***May take Forensic Science II without taking Forensic Science I first with teacher permission.

A forensic science course that focuses on practices and analysis of physical evidence found at crime scenes. The fundamental objective is to teach the basic processes and principles of scientific thinking and apply them to solve problems that are not only science related, but cross the curriculum using math, art, physical science, anatomy and physiology, and foreign language. This class will be looking at famous cases such as the JFK assassination, O.J. Simpson Case, and the death of John Lennon to evaluate and analyze evidence. Students will learn more advanced procedures such as electrophoresis of DNA, toxicology and entomology procedures. A mock crime scene will be set up to evaluate the students' abilities.

**PRINCIPLES OF ANIMAL SCIENCE** – elective

0306A000

Grades 11 – 12          one semester – 0.5 credit

*Prerequisites:* Physical Science, Biology I

An introduction to fundamental principles of animal science, animal genetics, anatomy and physiology, growth, reproduction, artificial insemination, lactation, egg laying, nutrition, animal disease, animal research; laboratory class that includes visits to animal industries, veterinary clinics, guest speakers, etc.

Course objectives

- Discuss what the areas of veterinary science and medicine include and how these areas differ from each other.
- Learn about the history of veterinary science and medicine.
- Examine some of the research areas that veterinary scientists are working on today.
- Investigate the educational and other requirements for veterinarians and veterinary scientists.
- Discuss some of the ethics in the profession and some of the controversial issues.
- Learn what the nervous, endocrine, and gastrointestinal systems consist of and what they do for the body.
- Examine how skeletal and muscle disorders can affect animals.
- Discuss several infectious diseases that animals can catch from infected animals.
- Investigate the causes and symptoms of the diseases discussed in the unit.
- Learn about some of the treatments and preventative measures that veterinary scientists have discovered for these diseases.
- Discuss why the health of horses, cattle, and swine is important for public health.
- Learn about several diseases that can affect horses and how they are treated.

- Examine what mad cow disease is and why it is such a feared disease for cattle.
- Investigate several diseases that affect cattle and the impact that they have.
- Discuss some diseases that affect swine and how they are treated.
- Discuss what exotic animals are and why treating them may take additional education and training.
- Learn about some of the diseases that affect birds and what treatments are used for these diseases.
- Learn about some of the diseases that affect reptiles and what treatments are used for these diseases.
- Examine what roles veterinary scientists may fill in zoological parks and sanctuaries.
- Investigate what challenges veterinary scientists face when working with animals at zoological parks and sanctuaries.
- Discuss what toxicology, toxicity, and toxicosis are and how these concepts relate to veterinary science and medicine.
- Learn how acute toxicosis differs from chronic toxicosis.
- Discuss how exposure to toxins can occur and what factors affect toxicity.
- Examine some of the natural forms of poisoning, such as poisoning from certain plants and fruits and bites from poisonous snakes.
- Investigate some artificial substances that can cause poisoning, such as rodenticides.
- Learn what parasites are and how they relate to hosts.
- Discuss several different types of parasites and how they differ.
- Examine how animals may become infected with parasites and how parasites may be transferred from animal to animal.
- Investigate some of the different symptoms that animals can experience due to parasites.
- Investigate some of the different life cycles for common parasites.
- Learn about zoonoses and why they are a concern to veterinary scientists and public health officials.
- Discuss Hantavirus and how it is transmitted to humans.
- Examine the plague and how this zoonotic disease has impacted human societies throughout history.
- Investigate anthrax and how it can be transmitted to humans.
- Discuss ringworm and the symptoms of this zoonotic infection.
- Learn about holistic and allopathic veterinary treatments and how they differ.
- Discuss the use of acupuncture for the treatment of animal diseases.
- Examine how hydrotherapy can benefit horses and dogs.
- Investigate how herbs, oils, botanicals are used to treat animal diseases.

# **FINE ARTS DEPARTMENT**

## **ALL ART CLASSES HAVE A LAB FEE**

### **ART I** – elective

05154A000

Grades 9 – 12                      two semesters – 1.0 credit

Students will study the basic elements and principles of art. Students will work with a variety of media such as ceramics, painting, and sculpture with an emphasis on drawing. Art History and appreciation are included throughout the year.

### **ART II** – elective

05156A000

Grades 10 – 12                      one semester – 0.5 credit

*Prerequisite:* Art I

Students will continue to develop their artistic skills by applying knowledge from ART I as well as a variety of new media. An emphasis will be placed on developing individual creative styles. Art history and appreciation are included.

### **CERAMICS I** – elective

05159A000

Grades 11 – 12                      one semester – 0.5 credit

*Prerequisites:* Art I & Art II (C or above)

Students will develop an understanding of clay and clay construction. This class will further develop hand-building techniques learned in Art I & II, while introducing the pottery wheel thrown ceramics. Basic ceramic firing methods will be studied along with contemporary and/or past ceramic artists.

### **CERAMICS II** – elective

05159A000

Grades 11 – 12                      one semester – 0.5 credit

*Prerequisites:* Art I, Art II, and Ceramics I (C or above)

Students will develop a higher level of wheel-thrown ceramic techniques. Hand-building techniques will continue, however, a larger emphasis will be placed on wheel-thrown creations. Students will begin experimenting with glazes and firing techniques.

**MIXED MEDIA** – elective

05158A000

Grades 11 – 12                      one semester – 0.5 credit

*Prerequisites:* Art I and Art II (C or above)

Students will have the opportunity to work both two dimensionally and three dimensionally on a larger scale than Art I & II. Students will experiment with materials such as plaster, wire, wood, cloth, and metal. Students will challenge their creativity both realistically and abstractly.

**ADVANCED DRAWING** – elective

05156A000

Grade 10 – 12                      one semester – 0.5 credit (offered every other year)

Pre requisite- Art I and Art II

This class will be focused on improving and fine-tuning drawing skills, as well as, developing an individual unique style. Drawing medium will include, but not be limited to, pencil, charcoal, ink, oil pastels, oil paintsticks, colored pencil and graphite washes.

**PAINTING** – elective

05157A000

Grade 11 – 12                      one semester – 0.5 credit (offered every other year)

*Prerequisites:* Art I and Art II (C or above)

Students will develop and learn about various painting styles and techniques. Students will work with watercolor and acrylic, and possibly oil paint and paintsticks. Work will be done both realistically and abstractly based on landscape, portrait, still life, and abstract painting styles. Various artists will be studied to enhance student knowledge on these styles.

**PRINTMAKING** – elective

05161A000

Grade 10 – 12                      one semester – 0.5 credit

*Prerequisites:* Art I and Art II (C or above)

This course provides an introduction to printmaking. Students will explore techniques in monotype printing, relief printing, including linoleum and woodcut, drypoint etching and collograph. In all processes, an image is carved, etched, or adhered to a plate which is then inked and transferred to another piece of paper. Students may be asked to explore other ways of printing, such as found object sampling to create an image.



**DESIGN AND SCULPTURE**— elective

05158A000

Grade 10 – 12                      one semester – 0.5 credit

Prerequisites: Art I and Art II (C or above)

This course will provide further explorations of design principles in two dimensional supports as well as introducing students to techniques in creating 3-D forms. Students will be introduced to historical and cultural design ideas and working with paper mache, plastercraft, softsculpture, and wire.

## **MUSIC DEPARTMENT**

### **BAND** – elective

05101A000

Grades 9 – 12

0.5 credit per semester

Previous instrumental experience required. Rehearsals will deal with improving instrumental playing in a wide variety of styles. This will be accomplished by the use of technical studies and etudes, and a wide variety of literature, both classical and popular. Activities may include music festivals, concerts, contests, pep band performances and jazz band performances. Attendance is required at all performances, as band is a performance-based class.

### **CHORUS** – elective

05110A000

Grades 9 – 12

0.5 credit per semester

This is a performance oriented class and 25% of the grade will be earned by scheduled performances each grading period. These will be primarily in the evenings. Work conflicts **will not** be excused. During the first grading period, Chorus will perform the National Anthem at volleyball games. During the second grading period, Chorus will perform at basketball games and one concert. During the third grading period, Chorus will perform at basketball games. During the fourth grading period, there will be one contest, one concert, and one Spring Fine Arts (Courthouse) Festival. Classroom work will prepare for performances by rehearsal and theoretical study of selected material from a variety of sources: Secular and Sacred, Modern and Classical and Music of Stage and Screen. Admission to class will be based on director's recommendation or audition.

## **ADDITIONAL COURSES**

### **CONSUMER EDUCATION** – required

22207A001

Grade 10                      one semester – 0.5 credit

This course focuses on the identification and management of personal and family resources to meet the needs, values, and wants of individuals and families throughout the life cycle. The course utilizes a variety of project-based experiences and service learning opportunities to gain knowledge and expertise in understanding and applying management skills, with consideration to diverse social, economic, technological, environmental, and cultural characteristics of individuals and families. Topics include: consumer rights and responsibilities in the marketplace; financial responsibility and decision making; planning and money management; credit and debt; risk management and insurance; saving and investment; homeownership; state and federal taxes; electronic banking; and current issues in the economy.

### **HEALTH** – required

08051A000

Grade 10                      one semester – 0.5 credit

Health includes the content areas of all the body, systems, their functions and disorders/diseases associated with them. Other units include mental health, nutrition, stress, and drug abuse. Projects as well as traditional testing combine for the earned grade.

### **PHYSICAL EDUCATION** – required

08001A000

Grades 9 – 12                0.5 credit per semester

This course carries a heavy emphasis on participation and cooperation. It covers rules and skill improvement in areas of sports/games such as volleyball, basketball, badminton, roller-skating, softball, pickle ball, table tennis, flag football and various opportunities to train aerobically as well as an aerobically throughout the term.

**DRIVER EDUCATION** – elective

08152A000

Grade 10 one semester – 0.5 credit

LAB FEE

Driver Education includes units of Rules of the Road, drinking and driving, defensive driving, motorcycles, physical and mental requirements, insurance, owning, operating, and maintenance. Behind-the-wheel phase includes: introduction, intersections, country driving, city driving, highway driving, expressway driving, backing, parallel, perpendicular and angle parking, parking up and down hill with and without a curb, one-way streets, alleys, railroad crossings, turnabouts. Driver Education students must have passed at least 8 courses in the previous two semesters in order to be eligible to enroll in Driver Education. Driver Education shall be offered to incoming freshmen who are fifteen years of age on or before the start of the first day of class provided there is room in the class.

**COOPERATIVE EDUCATION** – elective

22153A001

Grade 12 two semesters – 1.0 credit

Cooperative Education is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job through cooperative education. Students are released from school for their paid cooperative education work experience and participate in 200 minutes per week of related classroom instruction. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. For skills related to the job, refer to the skill development course sequences, the task list or related occupational skill standards of the desired occupational program. The course content includes the following broad areas of emphasis: 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. A qualified career and technical education coordinator is responsible for supervision. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student, and employer assume compliance with federal, state, and local laws and regulations.

## **TERM COURSES**

### **ADVISORY**

22102A000

Grades 9 – 10

Pass/Fail

In this course students would gain knowledge on motivation techniques that would help them to be more productive and responsible for their homework/assignments. Students would be guided through class discussion. This course would not focus on any one core subject area, but cover all areas. There will be guest speakers, homework assistance, assignment notebook checks, locker checks for organization, and orientation to the BHS handbook. Math and English support may be required based on their performance on the MAP (Measures of Academic Progress) taken freshman year.

### **TEXTILE AND FIBER ARTS**

05164A000

Grades 11 -12

full-year credit 0.5

LAB FEE

Students will be learning crochet, embroidery, sewing, and weaving techniques and using them to make traditional and non-traditional works of art.

### **DRAFTING**

21102A000

Grades 11 – 12

full-year credit 0.5

LAB FEE

*Prerequisite:* Geometry (C or above)

This course introduces students to the principles underlying the fundamental techniques and skills within the field of drafting. It is designed to expose the student to a variety of object representation formats.

**WESTERN RELIGIONS**

07004A000

Grades 11 – 12

full-year credit 0.5

This course provides students with an overview of various religions and belief systems, focusing on those of the Western World. Particularly religious or philosophical systems of study usually includes Judaism, Christianity (including faiths such as those of Catholics, Episcopalians, Baptists, Quakers, Mormons, Mennonites, and others); and Native Indian belief systems among others.

**JAZZ BAND**

05105A000

Grades 9 – 12

0.25 credit per semester

*Prerequisite:* Enrollment in Band and audition required and/or consent of instructor

This is a performance class in the areas of jazz and contemporary music. Skills of jazz techniques, sight-reading, improvisation, music theory, and ensemble teamwork are emphasized. Enrollment is limited to a specific instrument based on audition. Travel, competitions, performances, and rehearsals are required and held outside of regular school hours.

# CAREER AND TECHNICAL EDUCATION COURSES AND SEQUENCES

## AGRICULTURE, FOOD, & NATURAL RESOURCES SEQUENCES



### Agriculture, Food, & Natural Resources Cluster

#### **Agricultural Business and Management Cluster (01.0100)**

Introduction to Ag Industries

Agricultural Science

Agricultural Business Management

Supervised Agricultural Experience I

Biological Science Applications in Agriculture I

Biological Science Applications in Agriculture II

Supervised Agricultural Experience II

#### **Horticulture Services Operation Cluster (01.0600)**

Introduction to Ag Industries

Agricultural Science

Supervised Agricultural Experience I

Agricultural Mechanics & Technology I

Biological Science Applications in Agriculture I & II

Supervised Agricultural Experience II

Horticultural Production

Landscaping & Turf Management



### Architecture & Construction Cluster

#### **Agricultural Mechanics & Technology Cluster (01.0200)**

Introduction to Ag Industries

Agricultural Science

Supervised Agricultural Experience I

Agricultural Mechanics & technology I

Agricultural Construction & Technology I & II

Supervised Agricultural Experience II

## ALL AGRICULTURE CLASSES HAVE A LAB FEE

### **INTRODUCTION TO AGRICULTURE INDUSTRY** – elective

18001A001

Grades 9 – 12 – orientation – two semesters – 1.0 Credit

Introduction to agriculture industry provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national, and international levels; and the scope and types of job opportunities in the agricultural field. Both agribusiness and production applications are presented. Leadership skills and abilities are developed through an orientation to the FFA, parliamentary procedure, judging, and public speaking. Basic mechanics including safety, tool identification and use, planning a wood-working project and the completion of a project are covered in this course. Microcomputer applications are introduced. In addition to technical skills, course content will reflect the integration of academic and workplace skills.

### **AGRICULTURAL SCIENCE** – elective

18003A001

Grades 10 – 12 – orientation – two semesters – 1.0 Credit

*Prerequisite:* Introduction to Agriculture Industry

This orientation course builds on basic skills and knowledge gained in the Introduction to Agriculture Industry course. Major units of instruction include advanced plant science, soil science, animal science, and meat evaluation. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. Improving computer and workplace skills will be a focus. 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.

### **AGRICULTURAL MECHANICS** – elective (*offered every other year*)

18401A001

Grades 11 – 12 – skill – two semesters – 1.0 Credit

*Prerequisite:* Introduction to Agriculture Industry

Agricultural mechanics I is designed to provide learning activities and experiences in arc and oxyacetylene welding and cutting, MIG welding, plasma-arc cutting, plumbing and small engines. Units of instruction will include selecting and construction of plumbing systems; safety and fundamental skills of arc and oxyacetylene welding; and selections, troubleshooting and overhaul of small gasoline engines. In addition to technical skills, course content will reflect the integration of academic and workplace skills.



**AGRICULTURAL CONSTRUCTION & TECHNOLOGY I & II** – electiveGrades 11 – 12 – skill – two semesters – 1.0 Credit (*offered every other year*)

18403A001

*Prerequisite:* Introduction to Agriculture Industry

This advanced course focuses on the knowledge, hands-on skills, and workplace skills applicable to construction in the agricultural industry. Major units of instruction include personal safety, hand tools, power tools, blue print reading, construction skills in carpentry, electricity, concrete, block-laying, and drywall. Careers such as agricultural engineers, carpenter, electrician, concrete and block layers, finishers, safety specialists, and other related occupations will be examined. Improving workplace and computer skills will be a focus. 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.

**BIOLOGICAL SCIENCE APPLICATIONS IN AGRICULTURE** – science electiveGrades 11 – 12 – skill – two semesters – 1.0 Credit (*offered every other year*)

18051A002

*Prerequisite:* Biology I

Biological Science Applications in Agriculture I is designed to extend the student's learning of science by associating basic scientific principles and concepts with relevant applications in agriculture. Topics covered will include hydroponics, plant propagation, seed inoculation, absorption, diffusion, germination, photosynthesis, nutrient management and many other science concepts. Laboratory exercises will be used extensively during the course. In addition to technical skills, course content will reflect the integration of academic and workplace skills.

Biological Science Applications in Agriculture II is also designed to extend the student's learning of science by associating basic scientific principles and concepts with relevant applications in agriculture. Topics covered will include biotechnology, heredity and genetics, growth and development of animals, animal reproduction, and processing animal products. Laboratory exercises will be used extensively during the course. In addition to technical skills, course content will reflect the integration of academic and workplace skills.

**AGRICULTURAL BUSINESS MANAGEMENT** – elective

18201A001

Grade: 11 – 12 – Skill – One Year – 1.0 Credit (*offered every other year*)*Prerequisite:* Introduction to Agriculture Industry**Course Description:**

This course will develop students' understanding of the agricultural industry relating to the United States and World marketplace. Instructional units include: business ownership types, planning and organizing the agribusiness, financing the agribusiness, keeping and using records in an agribusiness, operating the agribusiness, agricultural law, taxes, and developing employability skills. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness applications. Improving computer and workplace skills will be a focus. 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.

**HORTICULTURAL PRODUCTION** – elective

18051A001

Grades 11 – 12 – skill – one semester – 0.5 Credit

Horticultural Production involves the growing of greenhouse and nursery crops and operation of a horticultural business. Emphasis will be placed on controlling the greenhouse environment for bedding and houseplant production and equipment and processes used in nursery crop production. Agribusiness units will be included in merchandising, advertising and displaying horticulture products, as well as selling horticulture products and services. In addition to technical skills, course content will reflect the integration of academic and workplace skills.

**LANDSCAPING AND TURF MANAGEMENT** – elective

18054A001

Grades 11 – 12 – skill – one semester – 0.5 Credit

Landscaping And Turf Management are two major areas of horticulture. Units of study include establishing, maintaining, and designing landscape plantings; establishing and maintaining turf grass; managing horticultural businesses; and selling horticulture products and services. In addition to technical skills, course content will reflect the integration of academic and workplace skills.

## **FFA**

Grades 9 – 12 – No Credit

FFA is an organization for students interested in agricultural occupations. The program develops personal and occupational competencies in communications, people, knowledge, skills and social abilities leading to intellectual choices of careers and successful employment in the field of agriculture. Students are required to be in an agricultural course.

## **SUPERVISED AGRICULTURAL EXPERIENCE I**

18999A000

Grades 9 – 12 – orientation – two semesters – 0.5 Credit

### **Completed outside of class**

Supervised Agricultural Experience I is for students in the 9<sup>th</sup> and 10<sup>th</sup> grades. Students receiving vocational credit in this area must enroll in an approved program sequence. Individual students will have a minimum of one approved project or acceptable plans for doing so. Supervised study, project record books, training plans and agreements, report writing, and instructor project visitation and supervision are essentials of the supervised agricultural experience. In addition to technical skills, course content will reflect the integration of academic and workplace skills.

## **SUPERVISED AGRICULTURAL EXPERIENCE II**

18999A000

Grades 11 – 12 – skill – two semesters – 0.5 Credit

### **Completed outside of class**

Supervised Agricultural Experience II is for 11<sup>th</sup> and 12<sup>th</sup> grade agricultural students. The opportunities and responsibilities are similar to those discussed under Supervised Agricultural Experience I (A20) with the exception that the experiences are conducted on a more advanced level of skill training. The project should be expanded as the student progresses throughout the agricultural program. In addition to technical skills, course content will reflect the integration of academic and workplace skills.

# CAREER AND TECHNICAL EDUCATION

## BUSINESS/INFORMATION SYSTEMS SEQUENCES



### **Business Management & Administration Cluster (52.0300)**

Keyboarding, Type. & Formatting I/II  
Software Applications  
Accounting I  
Information Processing/Advanced Information Systems  
Accounting II  
Introduction to Economics  
Interrelated Coop-Business-Accounting  
FBLA Future Business Leaders of America  
Graphic Arts Regional WBL Program



### **Information Technology Cluster (52.0400)**

Keyboarding, Type. & Formatting I/II  
Software Applications  
Accounting I  
Accounting II  
Word Processing/Advanced Word Processing  
Information Processing/Advanced Information Systems  
Web Design  
Interrelated Coop-Business-Information Processing  
FBLA Future Business Leaders of America  
Graphic Arts Regional WBL Program

**KEYBOARDING AND FORMATTING II** – required

12005A001

Grade 9 – orientation – one semester – 0.5 Credit

Keyboarding, Typewriting and Formatting II continues to develop basic skills in keyboarding techniques and formatting. Units of instruction include further development of speed and accuracy skills, 10-key pad, preparation of documents (i.e. letters, envelopes, manuscripts, reports, application forms, personal data sheets, inter-office memoranda, outlines, tables). Production of copies that meet business standards is stressed. In addition to technical skills, course content will reflect integration of academic and workplace skills.

**SOFTWARE APPLICATIONS** – required

10004A001

Grade 9 – orientation – one semester – 0.5 Credit

Software Applications is a one-semester orientation-level course designed for all vocational students to continue to develop an awareness and understanding of the application of electronic information processing concepts, software, and equipment to accomplish tasks typically performed by employees in Agriculture, Business, Marketing and Management, Health, Home Economics, and Industrial Firms. Instruction in this course focuses specifically on the use of software packages used by any person employed in one of the five vocational areas. Students will be given the opportunity to view a variety of software applications and will have frequent hands-on experience. Instruction may be given in the use of word processing, spreadsheets, data-base management, business graphics and communications, and integrated software packages. Instruction should also focus on ethical considerations that arise in using information processing software, equipment, and gaining access to available data bases. Computer simulations of situations faced by individuals in a variety of occupations may also be used. In addition to technical skills, course content will reflect integration of academic and workplace skills.

**ACCOUNTING I** – elective

12104A001

Grades 10 – 12 – skill – two semesters – 1.0 Credit

Accounting is a skill-level course that is of value to all students pursuing a strong background in business, marketing, and management. This course includes planned learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying and maintaining numerical data involved in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making. Accounting computer applications will be integrated throughout the course where applicable. In addition to stressing basic fundamentals and terminology of accounting, instruction should provide initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field. Processing employee benefits may also be included. Simulations will be used to emphasize actual business records management. In addition to technical skills, course content will reflect integration of academic and workplace skills.

**WEB PAGE DESIGN & INTERACTIVE MEDIA DEVELOPMENT I** – elective 10201A001

Grades 10 – 12 – skill – one semester – 0.5 Credit

*Prerequisites:* Keyboarding II and Software Applications

This course covers all phases of the Internet, including the application and dangers of its use. This course will include the use of e-mail, chat rooms, research on the Web and transfer of information. In addition to technical skills, course content will reflect on the integration of academic and workplace skills. Specifically, students will explore career opportunities; current events regarding the Internet; historical development and impact of the Internet; and the transfer of technology impacted by the Internet.

**INTRODUCTION TO ECONOMICS** – elective

04201A000

Grades 11 – 12 – skill – one semester – 0.5 Credit

Economics combines the virtues of politics and science. Its subject matter is society; how people choose to lead their lives and how they interact with one another. Knowledge of economics is a way a student can become a better citizen. This course is designed to explore contemporary issues in today's society relative to our American economy. Students will develop an understanding of economic relationships such as supply and demand, the role of cost, benefit and choice, and other marketplace activities. Topics will include market systems, labor, monetary and fiscal policies, taxation, and the economic cycle.

The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organization and job termination.

In addition, classroom instruction includes technical skills as identified on occupational task lists.

**BUSINESS MATH**

02154A000

Grade 12

two semester – 1.0 credit

This course will review arithmetic fundamentals that have been previously studied. Throughout the course of study, students use their skills to solve a variety of business problems that demonstrate how widely arithmetic is used in the business world. The range of topics covered also provides students with a broad introduction to the business content and terminology they will study in greater detail in advanced business classes.

# CAREER AND TECHNICAL EDUCATION

## FAMILY & CONSUMER SCIENCE



### Human Services Cluster (19.0000)

Child Development and Parenting  
Nutrition and Culinary Arts I  
Nutrition and Culinary Arts II  
Family and Career Relationships



### Education & Training Cluster (20.0200)

Child Development and Parenting  
Nutrition and Culinary Art I  
Nutrition and Culinary Arts II  
Family and Career Relationships



### Hospitality & Tourism Cluster (20.0500)

Nutrition and Culinary Arts I  
Nutrition and Culinary Arts II



**CHILD DEVELOPMENT AND PARENTING** – elective 19052A001

Grades 9 – 12 – orientation – one semester – 0.5 credit

Child Development and Parenting addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. The focus is on research-based nurturing and parenting practices and skills, including brain development research, that support positive development of children. Students will explore opportunities in human services and education-related careers and develop a career portfolio.

**NUTRITION AND CULINARY ARTS I** – elective

16054A001

Grades 9 – 12 – orientation – two semesters – 1.0 credit

This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition for people of all ages. Course content encompass': food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health, safety, and sanitation requirements; maximizing resources when planning/preparing/preserving/serving food; applying hospitality skills; analyzing nutritional needs in relation to change; and careers in nutrition and culinary arts, including entrepreneurship investigation.

**NUTRITION AND CULINARY ARTS II** – elective

16054A002

Grades 10 – 12 – orientation – two semesters – 1.0 credit

*Prerequisites:* Nutrition and Culinary Arts I

Nutrition and Culinary Arts II provides principles of application into the hospitality industry, including nutrition, culinary, and entrepreneurial opportunities. Course content includes the following: selection, purchase, preparation, and conservation of food, dietary needs and trends, regional & international cuisine, safety and sanitation, and careers in food service industries. All of these concepts can be interpreted through laboratory experiences. Specialty fields will also be covered and may include baking, creating, decorating, and basic culinary arts.

**FAMILY AND CAREER RELATIONSHIPS** – elective

22207A001

Grades 9 – 12 – Skill – one semester – 0.5 credit

This course is designed to focus on the knowledge, attitudes, and behaviors needed to participate in positive, caring, and respectful relationships in the family, community, and workplace. This project-based course uses communication, leadership and management methods to develop knowledge and behaviors necessary for individuals to become independent, contributing, and responsible participants in family, community, and career settings. Emphasis is placed on the development of techniques and strategies to assist individuals in responding to situations presented in family relationships and the workplace. The course content includes: managing responsibilities, satisfactions and stresses of work and family life; analyzing personal standards, needs, aptitudes and goals; roles and responsibilities of living independently and as a family member; demonstrating goal-setting and decision-making skills; identifying and utilizing community resources; and developing effective relationships to promote communication with others. The course provides students content to identify resources that will assist them in managing life situations.

**NUTRITION** – elective (*offered every other year*)

22203A001

Grades 11 – 12

*Prerequisites:* Biology and current enrollment Chemistry

This course will concentrate on expanding student's knowledge and experiences with nutrition concepts, food science, and healthy lifestyles. Nutritional analysis, nutrient functions, food allergies, diet and disease, menu analysis, energy and wellness, meal planning, and management, nutritional needs across the life span, impacts of science and technology on nutrition and wellness issues, and food safety and sanitation management are topics covered in this course through theory, projects, and laboratory experiences. Students will gain experience in preparing a variety of communications to teach the importance of nutrition and wellness.

## **REGIONAL WORK-BASED LEARNING GUIDELINES**

Work-Based Learning is one of the components of Partnership for Career and College Success that prepares students for high wage, high growth occupations. It introduces students to local business/industry and gives hands-on experience. Students are taught a series of competencies specific to a job cluster, through a combination of classroom and work site experiences closely supervised by a mentor. In some programs, tuition at a community college is awarded after successful completion of the high school level.

**Students entering Work-Based Learning must demonstrate a serious intent to enter a career in that pathway.**

**Work-Based Learning applicants will be evaluated according to:**

- A. Grade Point Average -- Student must maintain a GPA of 2.5 overall and a 3.0 in corresponding classes that qualify the student for the particular WBL program.
- B. Attendance -- Student must maintain a 95% attendance rate during the semester that the application is submitted and during the WBL participation. This also includes prompt return to school after WBL.
- C. Interest shown in the Career pathway by
  1. Enrolling in the sequence of courses suggested for this career pathway i.e. One orientation class in grades 9 & 10, and two skill level classes in grades 11 & 12.
  2. Participation in extra-curricular activities, community service activities, organizations, evidence of hobbies, etc.
  3. Job shadowing experience
- D. Discipline – Student must not discipline referrals in the semester that the application to the program is submitted and during WBL experience. Discipline issues will be grounds for denial of further participation in WBL programs.

To re-enroll as a senior, a student must have passed every semester of WBL with a B or above during junior year.

**Application process and procedures:**

1. Students submit applications during their sophomore year to be in work-based learning programs beginning their junior year. Applications are due in February.
2. Businesses may test and then will interview candidates and select students for their programs.
3. Availability of funding.