



Bellevue Community School District
Course Description Guide
2021-2022

It is the policy of the Bellevue Community School District not to discriminate on the basis of race, color, creed, gender identity, marital status, sex, sexual orientation, national origin, religion, age, disability or socioeconomic status in its educational programs, services, or employment practices.

COURSE DESCRIPTION GUIDE
BELLEVUE COMMUNITY SCHOOL DISTRICT
A MESSAGE FROM THE PRINCIPAL

The following information is designed to inform students and parents about the educational policies and guidelines at Bellevue School/High School. As principal, my goal is to provide an atmosphere that promotes student achievement in all curricular areas, and allows students to experience success in academics, extracurricular activities, and all other areas associated with school. We wish to have all students experience success, and want to provide these opportunities for students.

As we move further into the 21st Century we wish to have all students experience success through a diverse curriculum that meets the needs of all students. In addition, the school is committed to providing students opportunities in the following “Power Standards for the 21st Century” during their years in the Bellevue Middle School and Bellevue High School:

Essential Core Content Knowledge

English, Reading, Language Arts	Science
Mathematics	Social Studies
World Languages	Fine Arts

Literacy Power Standards (acquiring information)

Reading, (Comprehension) Literacy	Scientific Literacy
Technological Literacy	Economic/Financial Literacy
Numerical Literacy	Visual/Verbal Literacy

Application Power Standards (manipulating information)

Communication Skills	Higher-order Thinking Skills
Collaboration Skills	Leadership/Character Skills
Problem-Solving Skills	Entrepreneurship/Employability

Each class in the curriculum is designed to challenge students in some way, and teachers are readily available to assist students when problems and/or concerns arise. It is everyone’s mission at school to assist students in passing all courses, but ultimately students must also work hard and strive for success each and every day. A student’s commitment to doing their best is imperative for success in school and in each and every activity that they take part in throughout their lives. Students who develop good habits and a strong work ethic in school are much more likely to succeed outside of school, and therefore we challenge you to give your best effort each and every day in everything that you do.

Jeff Recker
Bellevue Middle School & High School Principal

“Success is the self-satisfaction in knowing you did your best to become the best that you are capable of becoming.” (John Wooden)

Bellevue Community School District

The Mission

- The Bellevue Community School District will ensure quality-learning experiences for all students to reach their full potential in a dynamic global society.

Academics

- All students will be proficient in Reading, Math & Science.

Respect

- Respect among students, staff and the administration is expected.

Drug Awareness

- Students will be educated about the consequences of drug, alcohol, and tobacco use.

Technology

- Current technology is available to students, staff, and the community.

Community

- The educational process will be shared by the school, the parents, and the community.

Table of Contents

Required Subjects, Minimum Requirements & Graduation	5
Concurrent Credit Course Offerings & Enrollment	7
Articulated Courses.....	8
College Admission Requirements	9
Your Courses Count	13
2 Plus 2 Guaranteed Graduation Plan	14
The Educational Program	14
Vocational Education Option	15
Registering for Courses	15
Grading System	16
The Permanent Record.....	16
Early Graduation Option	17

Course Summaries

Art	18
Business Education	20
Driver Education	24
English/Language Arts: Literacy	24
Family and Consumer Science	29
Foreign Language	31
Health and Physical Education.....	32
Industrial Technology	33
Mathematics.....	37

Music	40
Science.....	41
Social Studies	44
Special Education Programming	48
Vocational Agriculture Education.....	49
Individual Projects and Workplace Experiences.....	53

* All course information is subject to change based on enrollment in courses, course availability, and the needs of students at Bellevue High School. We will work to provide courses that meet the needs of students on a continual basis in an equitable manner.

Equal Education Opportunity

The Bellevue Community School District provides equal opportunity in programs provided to all students regardless of race, color, national origin, gender (sex), sexual orientation, gender identity, marital status, socioeconomic status, disability, religion, or creed.

Harassment or discriminatory behavior that denies civil rights or access to equal education opportunities includes comments, name-calling, physical conduct or other expressive behavior directed at an individual or group that intentionally discriminates on the basis of race, creed, color, sex, sexual orientation, gender identity, national origin, gender, disability, religion, age, political party affiliation, or actual or potential parental, family or marital status in its programs, activities or employment practices as required by the Iowa Code sections 216.9 and 256.10(2), Titles VI and VII of the Civil Rights Act of 1964, the Equal Pay Act of 1973, Title IX (Educational Amendments), Section 504 (Rehabilitation Act of 1973), and the Americans with Disabilities Act.

Required Subjects, Minimum Requirements and Graduation

One credit or 1/2 unit is earned for the successful completion of a semester's work--18 weeks. 28 units or 56 credits are necessary for graduation from Bellevue High School.

The following courses must be successfully completed as part of the total credits for graduation:

English

- 4 units or 8 semesters (English I, II, III, a semester of Language Arts Survey and one English elective)

Mathematics

- 3 units or 6 semesters (Algebra I & Geometry required)

Science

- 3 units or 6 semesters (Biology required)

Social Studies

- 3 units or 6 semesters (Big History, American History, one semester of U.S. Government, and one elective).

Physical Education

- Participation in P.E. for four full years, and must pass all semesters enrolled. Exceptions may be made once during the Junior or Senior year if students have a full academic schedule.

Seniors unable to successfully complete the necessary units of work will be awarded a Certificate of Attendance instead of the regular diploma. Those who wish to go beyond four years of high school in order to complete the requirements must have the approval of the administration. Requests for waiver of any of the above requirements must have the approval of the administration before any school year begins. Persons failing a required subject must repeat it the following year. The standard for high school entrance and graduation shall be maintained and strengthened and students unable to do the required work, or failing to attempt to do it, may be considered as being possibilities for termination.

Attendance/Participation in all classes on a regular basis is vital for student learning, in Concurrent Credit or regular credit classes, and students must be aware of the importance of attendance in all classes.

Bellevue Community Schools Graduation Requirements

Old Requirements Total Credits 54 semesters			Recommended ACT Core		New Requirements Total Credits 56 semesters Effective Class of 2014 (Exception: Online Elective: Class of 2015) (Exception: Math: Geometry: Class of 2016)		
English	8		English	8	English	8	
	English I	2				English I	2
	English II	2				English II	2
	English III	2				English III	2
	Speech OR L.A. Survey	1				L.A. Survey	1
	Elective	1				*Elective	1
Mathematics	6		Mathematics	6	Mathematics	6	
	Algebra	2		Algebra I		Geometry	2
	Electives	4		Geometry		*Electives	4
				Algebra II			
Science	6		Science	6	Science	6	
	Biology	2		Biology		Biology	2
	Electives	4		Chemistry		*Electives	4
				Physics			
Social Studies	6		Social Studies	6	Social Studies	6	
	Big History	2				Big History	2
	American History	2				Am. Hist.	2
	Government	1				Government	1
	Elective	1				*Elective	1
						Life Skills (Career, FCS, Financial/Economic)	1

Physical Education	4
Electives	24
	54 Possible 64

Online Elective	1
-----------------	---

PE/Health	4
-----------	---

Electives	24
-----------	----

	56 Possible 64
--	----------------

*Any elective taken to fulfill a core requirement must be approved by the guidance counselor and the principal. Any student questioning the decision may schedule a conference inclusive of the guidance counselor, principal, parents, and student, at which time the parties will gauge the best choice for the student's future plans and potential plans. The school's goal is to ensure the student is fully prepared for his/her next life steps or potential life steps.

Pre-requisites will be established for core elective classes.

ACT (including writing) or the complete battery of the COMPASS will be taken, targeted for 11th Grade.

Students must demonstrate proficiency in reading and math on multiple assessments (MAP, ITED, PLATO, COMPASS, ACT) each year or successfully complete Academic Services classwork as part of the student's academic schedule. Students must demonstrate proficiency in two assessments by the end of the semester to enroll in other classes for the next semester.

Concurrent Credit Course Offerings & Enrollment

The following courses on page 8 are being offered at Bellevue High School for concurrent credit during the 2018-2019 school year. For more information on each course, please see the course description on the page indicated for each course. In addition, more courses may also be available for students to take either on-line or through the ICN. Some of these courses may include Statistics, Art History, Computer Programming, or others. BHS attempts to make any class available to students who show an interest, and we will work to have students registered in these classes.

Courses for concurrent credit allow students to earn high school credit at Bellevue High School, and college credit through the Eastern Iowa Community College District at Clinton Community College. Students will register during the first full week of courses during the semester with Clinton Community College representatives. Courses through Clinton Community College will count as college credit at Clinton Community College,

along with being able to be used as transfer credits to other colleges. *Courses are eligible to transfer, and those that are considered General Education courses/credits will transfer as either fulfilling a college general education requirement or as an elective. Courses that are considered Career Technical courses will transfer to the state of Iowa Regent universities, and these schools will accept up to 16 credits of Career Technical coursework as electives.* Students are encouraged to communicate with their college of choice to discover more specific information on the transfer of credits. In addition, the website www.transferiniowa.org gives a detailed account of how each course offered at colleges transfers into regent universities (Iowa, Iowa State & University of Northern Iowa).

Students in grades 11 and 12 are eligible to enroll in classes to earn college credit. A student in grade 9 or 10 who participates in the Gifted and Talented program is also eligible to enroll at one of the community colleges, state university or an accredited private college or university. Students must have a specific score on their ACT, PLAN (taken during their sophomore year at BHS), or COMPASS assessment (offered as needed for students at BHS through arrangements with the School Counselor). A student may enroll in one or more classes, however, there must be at least one free period during the semester the course is taken. The high school pays the college or university for the cost of tuition, textbooks, materials and fees up to \$250. If the student fails the class he/she will have to pay for the class.

More information on concurrent credit courses at BHS may be gained from communicating with the HS Principal or School Counselor.

Articulation Agreements - Bellevue High School

Articulation is the process of mutually agreeing upon core competencies and performance levels transferable between institutions and programs for college credit. Articulation enables students enrolled in high school courses to receive college credit for the competencies achieved. When students graduate, they should be sure to check with their high school counselor and instructors so that the necessary forms are submitted to the appropriate Kirkwood department.

<u>HS Course</u>	<u>College/Course-Credits</u>
Intro to Composition I*	EICCD ENG-105 – 3
Intro to Composition II*	EICCD ENG-106 - 3
Intro to Computer App I & II*	EICCD Intro to Word Proc - 3 EICCD Advanced Word Proc - 3
Agricultural Business Management	EICCD Intro to Ag Business- 3
Horticulture/Plant Identification*	EICCD – Muscatine - 3
Adv. Metals/Shielded Metal Arc Welding-Basic*	EICCD Welding Fundamentals- 3

- EICCD (Eastern Iowa Community College District) includes the following colleges: Clinton Community College, Scott Community College, and Muscatine Community College

** indicates a concurrent course at Bellevue High School*

Board of Regents, State of Iowa
Freshman Admission Requirements to the Regent Universities

Admission of freshmen who wish to enroll at any of the Iowa Regent universities beginning Fall 2009 and beyond will be based on the Regent Admission Index (RAI) equation described below. In addition, applicants must meet the minimum high school course requirements for the university they wish to enter.

(2 x ACT composite score)
+ (1 x percentile high school rank)
+ (20 x high school GPA)
+ (5 x number of high school core courses)
Regent Admission Index Score

Note: For purposes of calculating the RAI SAT scores will be converted to ACT composite equivalents, 99% is the top value for high school rank, 4.00 is the top value for GPA, and the number of high school core courses completed is expressed in terms of years or fractions of years(e.g., one semester equals 0.5 year). Applicants who do not possess all required factors will be evaluated on an individual basis by the Regent universities to which they apply.

Freshman applicants from Iowa high schools who achieve at least a 245 RAI score and who meet the minimum number of high school courses required by the Regent universities will qualify for automatic admission to any of the three Regent universities. Freshman applicants who achieve less than a 245 RAI score may also be admitted to a specific Regent university; however, each Regent university will review these applications on an individual basis and the admission decision will be specific to each institution. Freshman applicants from approved high schools in other states may be held to higher academic standards, but must meet at least the same requirements as graduates of Iowa high schools.

The Regent universities recognize that the traditional measures of academic performance do not adequately describe some students' potential for success. Therefore, the Regent universities strongly encourage all interested students to apply for admission. Applicants who feel their academic record is not an accurate reflection of their potential for success are encouraged to provide supplemental information explaining their circumstances in addition to the application, academic transcripts, and test scores.

Regent Admission Index *Frequently Asked Questions*

Q: What was the reason for changing the freshman admission requirements to the Regent universities?

A: In Spring 2006, the Iowa legislature passed House File 2395, requiring the Board of Regents to conduct a study of the current upper one-half class rank requirement which has been in place since 1958. The Board of Regents appointed an Admissions Study Team, including representatives from the Board of Regents and each of the three Regent universities, to conduct this study. After reviewing a large volume of data, the Admissions Study Team created the Regent Admission Index (RAI) and recommended that the RAI replace the current upper-half class rank requirement. This recommendation was approved by the Board of Regents and by the Iowa legislature, and will go into effect for freshmen that will enter the Iowa Regent universities beginning Fall 2009.

Q: What exactly is the RAI?

A: The RAI is a score derived from a mathematical equation that includes four factors which have been shown to be predictors of academic success at the Regent universities: class rank, ACT/SAT scores, grade point average, and core courses completed. Below is the RAI equation:

$$\text{RAI} = (\text{percentile class rank} \times 1) + (\text{ACT composite} \times 2) + (\text{number of core courses completed} \times 5) + (\text{high school GPA} \times 20)$$

Note: For purposes of calculating the RAI, ACT composite score has a top value of 36 (SAT scores will be converted to ACT composite equivalent); high school rank is expressed as a percentile with 99% as the top value; high school GPA is expressed on a 4-point scale; and number of high school courses completed in the core subject areas is expressed in terms of years or fractions of years of study.

Q: May I calculate my own RAI score?

A: Students may easily calculate their own unofficial RAI score by using the RAI calculator on the Iowa Board of Regents website at the following website:
www2.state.ia.us/regents/RAI/index.html.

Q: Does this mean each Regent University no longer has minimum high school course requirements?
for admission?

A: No. Each Regent University still has its own minimum high school course requirements for admission. These requirements really serve as the first screen in the admission decision process. In other words, if the students don't meet these minimum high school course requirements, they generally won't be offered admission, regardless of their RAI score.

Q: Why does the RAI represent an improvement over the current upper-half class rank requirement?

A: There are two primary reasons. First, the RAI takes into consideration four factors,

which have been shown to be predictors of academic success at the Regent universities. As a result, the RAI does a better job of predicting academic success. Second, the RAI provides a real incentive for high school students to take additional core courses, especially during the all-important senior year.

Q: What if my school doesn't provide a class rank?

A: Applicants whose schools do not provide class rank will be evaluated on an individual basis.

Q: Does an RAI score of at least 245 mean I will automatically qualify for admission to any of the three Regent universities?

A: Yes, provided you also meet each university's minimum high school course requirements for admission.

Q: Does an RAI score below 245 mean I won't be admitted to any of the Regent universities?

A: Not necessarily. Each university will evaluate applicants with less than a 245 RAI score on an individual basis and make their own admission decisions. Those admission decisions will be specific to each university. In other words, a student with less than a 245 RAI who is offered admission to one university is not guaranteed admission to the other two universities.

Q: How do I know which of my high school's courses will count in the calculation of my RAI score?

A: Basically, any college-prep course offered in the subject areas of English, math, science, social studies, or foreign language will count. However, students and parents should consult with their guidance office to be sure, especially as they plan their class schedules.

Q: Why are only English, math, science, social studies, and foreign language courses acceptable for the RAI? What about courses in areas like journalism, computer science, music, art, etc.?

A: When the RAI requirements were in the early stages of being developed, the decision was made to restrict the acceptable courses to the five core subject areas mentioned above. The reason behind this decision is that all students are expected to have completed a minimum level of preparation in each of these core subject areas (with the exception of foreign language for some majors) before they enter a Regent university. While courses in other subject areas are certainly beneficial for college-bound students, especially for those who wish to pursue majors in those respective fields, they are not courses that all Regent University bound students should be expected to have completed. And while courses in areas like journalism, computer science, art, music, etc. are generally not counted in the RAI calculation, they will be viewed favorably by the admissions officers when they consider applicants who fall below the RAI 245 automatic admit score.

Q: What about high school core courses that are completed before ninth grade?

A: In general, high school core courses completed before ninth grade may be counted in the RAI calculation. If the course is an obvious sequential course (e.g., Spanish 1, Algebra 1), it does not need to be listed on the high school transcript in order to be counted in the RAI calculation, provided a higher level course appears on the transcript (e.g., Spanish II, Algebra 2). However, if the course is not an obvious sequential course (e.g., Biology, American History), the course must appear on the high school transcript in order to be counted in the RAI calculation.

Q: What about college courses that are taken in high school?

A: College courses taken in high school may be counted in the RAI calculation only if they fall into one of the five core subject areas: English, math, science, social science, or foreign language. In order to be counted in the RAI calculation, these college courses must be listed on the high school transcript or a college transcript must be provided to the university. College courses taken in high school do not receive any additional weight when the RAI score is calculated. For example, one semester of college course work would generate an additional 2.5 RAI points since students receive 5 points for every year of core courses completed.

2 Plus 2 Guaranteed Graduation Plan

The University of Iowa in conjunction with Iowa's community colleges initiated the 2 Plus 2 Guaranteed Graduation Plan. This allows students to spend two years at a community college, transfer easily to the University of Iowa, and earn a bachelor's degree in two more years. Students sign an agreement stating that they plan to take certain classes and meet certain requirements before transferring to Iowa. Twenty majors are available through the 2 Plus 2 Plan, although the availability of majors and requirements may vary by community college.

The Educational Program

The following program represents a brief summary of the courses and some activities offered to high school students by the Bellevue Community School District.

The program is arranged in a manner to provide both for the common needs of all the students, which are met through the required courses and activities in the core curriculum, and for the students' individual needs which are met through the wide variety of elective courses.

Because each student differs from other students in abilities, aptitudes, talents and interests, the school program is built to permit individual expansion into those areas of learning and activity that allow for optimum educational growth and personal development.

The students' requirements from within the core curriculum are indicated either in the opening paragraph, or by use of the word "required" after the description of a particular course. All other courses represent "electives" or those from which the student has the choice to choose to meet his/her needs, abilities and desires. All courses in this guide are open to students to enroll in, although if there is insufficient registration/enrollment in a course the course may be cancelled or moved to another semester.

In compliance with regulations now mandated by Title IX, Bellevue High School provides a multicultural, nonsexist education program. Any student is allowed to choose any of the courses and/or activities listed. This includes courses in the four Vocational Education areas of Agricultural Education, Family and Consumer Sciences, Business Education and Industrial Technology.

Members of the faculty are available at all times to help each student with educational and personal problems in the hope that through cooperative discussions and planning, every student will make the most of his/her opportunities at Bellevue High School.

Vocational Education Option

Any student interested in the areas of Agricultural Education, Family and Consumer Sciences, Business Education and/or Industrial Technology may take from one to eight semesters of vocational classes in high school. By taking a carefully planned set of courses, not only will he/she be better prepared for direct employment from high school, but be well prepared to enter the same area of specialization at the college level. In addition to the opportunity for concurrent credit courses, students also have the opportunity to take courses at Bellevue High School for articulated credit to community colleges. The Guidance Counselor, Department Chairs, and Administration can provide further assistance in gaining specific courses and procedures to gain articulate credit to colleges.

The four vocational areas have developed courses, which articulate into a community college's curriculum. The community colleges have worked closely with high schools in the state identifying the curriculum, which would best match what they are offering. As a result, a student can start the mastery of these competencies in high school for a minimum of three years and continue with the same list of competencies in a community college. For all of the competencies mastered in high school, most community colleges will not require a student to repeat courses with those competencies. Taking approved high school courses in a particular area may allow advanced status in that area at a community college. This means a student may pass out of introductory or fundamental classes and save money and time by getting into advanced classes more quickly.

It is important for students to visit with the vocational instructors and /or counselor to see what options are available. Each area offers a two or three year sequence of courses, which contain their own specific competencies. Business, Family and Consumer Science and Industrial Technology are all using the same Core class called General Business. Agriculture has its own core class.

Registering for Courses

Students at Bellevue High School typically register for courses in the early spring of the school year prior to the year being registered for. Many courses have a maximum number of "seats" or spaces available for students in the course. The Bellevue CSD School Counselor, teaching staff and administration will be available to answer questions in regard to course offerings and registration. All 8th grade students will complete a 4-year plan with the school counselor during the spring of their 8th grade year.

If a class is full, students may petition to the School Counselor and HS Principal for admittance based on special circumstances.

Grading System

Individual teachers develop their own grading scale for their courses which is based on their philosophies, although many teachers in school use the following grading scale in grades K-12:

A	92-100	Excellent
B	83 - 91	Very Good
C	71 - 82	Satisfactory
D	61 - 70	Lowest Passing Mark
F	0 - 60	No Credit

S = Satisfactory

U = Unsatisfactory

G = No Grade

H = Withdrew

I = Incomplete

Grade Point Average and Grading Weight for courses (used for calculating GPA)

A = 4

B = 3

C = 2

D = 1

F = 0

Cumulative Grade Point Average (GPA) and Rank in Class

Cumulative G.P.A. and Rank in Class are determined by averaging all semester final grades except Driver Education and Physical Education. All semesters attended in high school are computed in this average.

The Permanent Record

The permanent record shows courses taken, grades earned, standardized test scores, cumulative grade point, rank in class, absences, tardies, and entry and withdrawal from school. The permanent record is permanently maintained by the high school after graduation and will continue to help or haunt you...depending on what you have made it. The courses taken in high school are important factors in being accepted for post-high school study or work. In the course selection process it is important to consider potential careers. It may be necessary to research the requirements of these careers and take courses, which are required or seen, as helpful. To allow flexibility, it is wise to take courses, which would allow several alternatives.

Although a grade of 'D' in a course gives the same credit toward graduation as an 'A', the two grades represent widely different levels of achievement. It is this difference that employers and admission officers weigh as they evaluate students.

In high school, several standardized tests are taken which measure achievement level, interest and ability. Since the results become a part of the permanent record it is important that students do the best they can.

Attendance is also recorded and becomes a part of the permanent record. Employers are very particular about the school attendance of prospective employees. As a rule, a student who misses more than 5% (about 9 days) per year may be considered a poor risk by a potential employer.

The permanent record is the reflection of an individual student. Since it may give someone a first impression it is important to make it look as good as possible. A copy of the permanent record is called a “transcript”.

Early Graduation Option

In line with recent trends to make secondary education more relevant to the individual student, more and more schools are offering to students the opportunity to graduate from high school in less than the traditional eight semesters.

The proposed Early Graduation Option will include the following options:

- The student must accumulate a total of 28 units - 56 credits in academic areas. .
- The student must earn at least a 2.0 grade point average during each semester.
- The student must attend graduation exercises with his/her classmates in the spring.
- Any student who has reached all of the above requirements but still wishes to remain in school may do so provided the student takes a minimum of 3 units (6 credits). Should the student attempt to drop school before the end of the semester, it may be recorded that the student failed all final semester courses taken.
- All requests are reviewed and granted on an individual basis.

The Early Graduation program is an incentive program designed for the student willing to put forth the extra effort. By completing the high school program he/she may enroll immediately in a college or trade school, or seek employment ahead of the regular graduates. The program forces the student to carry extra subjects thus broadening his/her background for whatever he/she may want to do.

Course Summaries

Art

2D Art

Semester Course

Elective: 9, 10, 11, 12

Prerequisites: None

Units Earned: 1/2

This course is recommended in order to develop a sound background in composition and design in other art related fields. All students are encouraged to take the basic art class to study ways to communicate visually. It is a course geared to all students who are interested in 2D art. Students will create rubrics and learn to assess artwork. Media that will be covered include pencil, ink, watercolor, printing and acrylic painting. Special drawing materials are included. Sketching assignments and art history units are requirements of this course.

3D Art

Semester Course

Elective: 9, 10, 11, 12

Prerequisites: None

Units Earned: 1/2

This course is recommended in order to develop a sound background in composition and design in other art related fields. All students are encouraged to take the basic art class to study ways to communicate visually. It is a course geared to all students who are interested in 3D art. Students will create rubrics and learn to assess artwork. Media that will be covered include clay, wood sculpture, ceramics, and relief sculpture. Sketching assignments and art history units are requirements of this course.

Painting I

Semester Course

Elective: 10, 11, 12

Prerequisites: 2D Art or 3D Art

Units earned: 1/2

Painting I builds on 2D, students gain a more in-depth understanding of techniques and styles of painting. Students will explore artist and movements throughout history. The class will be painting in acrylic and watercolor. Some work in abstract, expressionism and classroom teaching may be enhanced with special field trips to local artists' studios and galleries. Final testing is handled by individual critiques.

Painting II

Semester Course

Elective: 10, 11 12

Prerequisites: Painting I

Units Earned: 1/2

This course is a follow-up to Painting I, and will allow students to expand and refine their skills from Painting I. Emphasis will be movements throughout history from the Renaissance through Color Field and Hard Edge. All students will self critique and have weekly class critiques.

Ceramics

Semester Course

Elective: 10, 11, 12

Prerequisites: 2D Art or 3D Art

Units Earned: 1/2

This course is geared toward an understanding and an appreciation for clay, wheel throwing, slab and coil. The student will be exposed to glaze firings. Again the emphasis is placed upon the student's projects, which in turn are the property of the student. Raku firings, field trips to local potters and art exhibits in the area will be included as time permits. Students will create rubrics and self critique their work as well as classmates.

Sculpture

Semester Course

Elective: 10,11, 12

Prerequisites: 2D Art or 3D Art

Units Earned: 1/2

Sculpture is working with medias that offer a chance to stand by themselves. Clay, plaster, tape, wire and wood will be covered along with softer medias to practice handling. Additive and subtractive elements in sculpture will be explored and most students will have the chance to work in their favorite medium. Students will create rubrics and self critique their work as well as classmates. Sketchbooks are required.

Graphics

Semester Course

Elective: 10,11,12

Prerequisites: 2D Art or 3D Art

Units Earned: 1/2

Graphics will introduce students to Photoshop, Sketchup, and other design programs. Students will as so work with intaglio, and photo-silk-screen. Graphic technique will be studied through use of video, demonstration, and hands-on activities. Additional units on history of print and careers will enhance learning.

Advanced Art Study

Semester Course Elective: 12 (Semester or Year)

Prerequisites: 2D Art/3D Art plus 2 additional studio credits (from painting, sculpture, or graphics) with an “A” average and Instructor Permission.

Units Earned: 1/2 or 1

Lab Fee: Determined by Instructor based on student projects and interests

A course personally designed for students who feel they can independently handle their direction for art. Some medias like oil paint will require a lab fee. All students will be required to fill out their curriculum contract that will indicate the grade and project work required to achieve that grade. Personal critiques will be given as needed to continue student progress.

Business Education

For a complete listing of business classes, descriptions, sample class projects and lesson plans go to www.mrsweber.net

Intro to Business (21st Century Vocational Skills I)

Semester Course-First or Second Semester

Elective: 9, 10, 11, 12

Prerequisites: Take this course before any online business course to prepare for the college online courses.

Units Earned: 1/2

This class will help prepare students for college credit online courses dealing with business. This course will cover basic business concepts as well as how to start your own business. Students in this course will have the opportunity to develop business ideas in the fields of business, agriculture, manufacturing, and family and consumer science. Students will develop a business plan throughout the semester and present the plan in a “shark tank” style at the end of the semester. There is no textbook for this class. Everything is done online in class. For more information and to view the curriculum: <http://mrsweber.net/classes/high-school/entrepreneurship-21st-century-business-i/>

Personal Finance (21st Century Vocational Skills II)

Semester Course-First or Second Semester

Elective: 9, 10, 11, 12

Prerequisites: Take this course before any online personal finance course to prepare for the college online courses.

Units Earned: 1/2

This class will help prepare students for college credit online courses dealing with personal finance. Upon completion of this course, students will have a firm understanding of personal finance that they can apply to their lives right now and in the future. As part of the curriculum, students will develop short and long term financial goals. Units of study include Savings, Banking, Payment Types, Interest Rates and Credit Cards, Credit Scores, Financing High Education, Renting vs. Owning, Taxes and Insurance, Consumer Fraud, and Investing. Several online simulations will be used throughout this course. Students will also have the opportunity to compete in the National Financial Capability Challenge, Stock Market Game, and the National Budget Challenge. For more information and to view the curriculum: <http://mrsweber.net/classes/high-school/personal-finance-21st-century-business-ii/>

Computers I – (ADM-122)

Semester Course: First or Second Semester

Elective: 9, 10, 11, 12

Pre-Requisites: None

Units Earned: 1/2

This course will help prepare students for other high school classes, college classes, and life. Units covered will be resume-writing, letters of applications, applying and interviewing for a job, and writing and documenting research reports. This class is a prerequisite for all computer courses at Bellevue High School. **Similar Concurrent Credit Course ADM 122 Document Formatting..** For more information and to view the curriculum: <http://mrsweber.net/classes/high-school/business-computer-applications-i/>

Computers II (Coding)

Semester Course: First or Second Semester

Elective: 9, 10, 11, 12

Pre-Requisites: Business Computer Applications I

Units Earned: 1/2

Students will also learn how to write code to create 3D animations, games, mobile apps, and programs. This course is designed to allow students to be exposed to the most current computing available. The course content will be based on student interest. For more information and to view the curriculum: <http://mrsweber.net/classes/high-school/business-computer-applications-ii/>

Advanced Computers (CSC-110)

Semester Course: First or second semester

Elective 10, 11, 12

Pre-Requisites: Business Computer Applications I & II

Units Earned: 1/2

Let's go on the job! That is the focus of this class. Students will plan and create spreadsheets, databases, presentations, and word processing documents using Microsoft Office 2016. They will be expected to integrate and allow for data transfer among Word, Excel, Access, and PowerPoint. This is an advanced course in microcomputer software applications. Successful completion of this course could gain students college credit at Kirkwood, Clinton Community College, and NICC. **Similar Concurrent Credit course is CSC 110 Introduction to Computers. Upon successful completion of this course students will not only earn college credit, but they will also have the opportunity to earn their Microsoft Certification.** (This looks great on a resume/job application.) For more information and to view the curriculum: <http://mrsweber.net/classes/high-school/advanced-business-computer-applications/>

Multimedia Marketing

Semester Course: First or second semester

Elective: 9, 10, 11 & 12

Prerequisites: Business Computer Applications I

Units Earned: ½

This course is project-based and with a marketing focus. Adobe Photoshop, InDesign, and Illustrator are used to provide students the opportunity to create promotional material for various clubs, events, and organizations in the Bellevue Community School District and beyond. Students will have the opportunity to work with various cloud-computing software to create movies, web sites, and other multimedia projects. Students will also improve their communication skills by communicating with business people from our community and presenting their final projects. For more information and to view the curriculum: <http://mrsweber.net/classes/high-school/multimedia-marketing/>

Intro to Web Design (CIS-210)

Semester Course: First or second semester

Elective: 11 & 12

Prerequisites: Multimedia Marketing

Units Earned: 1/2

Have you ever wanted to learn to write code? This is where you learn how! In this class you will learn how to make a web site from scratch and how to use Adobe Dreamweaver. Also as you learn new techniques in web design you will be applying it to a real web site that you will make for a local business. This course will teach you a valuable skill that is both enjoyable and can be applied later in your life as a career or side job. Don't forget it is for college credit! Upon completion of this semester course students will understand the history and development of the Internet; plan, organize, design, and code a working web site, utilize HTML5 and CSS to create web pages; create or convert graphics that conform to web stipulations with regard to file size, file formats and resolution; and

create simple animations (gifs) for use on a webpage. Students must complete Multimedia Marketing before taking the course. For more information and to view the curriculum: <http://mrsweber.net/classes/high-school/introduction-to-web-design/>

Business Procedures I & II

Year Course (I & II both, or semester for each)

Elective: 11 & 12

Prerequisites: Business Computer Applications I & II and Advanced Computer Applications

Units Earned: 1

This course is a capstone course for all business classes. Students will apply what they learned in other business classes to perform real-world tasks such as how to conduct a successful job interview and how to get and keep a job. Extensive use of computer applications, teamwork and problem solving will be applied.

Accounting I & II

Year Course (I & II both, or semester for each)

Prerequisite: Intro to Business and Personal Finance

Units Earned: 1

Accounting I establishes a foundation for understanding business, and provides initial knowledge needed for an accounting career. This class introduces the principles and process involved in double-entry accounting systems. It covers the entire accounting function including the use of journals, ledgers, worksheets, financial statements and specialized accounting functions such as banking and payroll. This class is recommended for anyone interested in pursuing a career in business and/or accounting. Learning can also be transferred to apply to personal situations in everyday life, including topics such as checking accounts, payroll, expenses, income, profit and net loss.

Accounting II is designed to reinforce and enhance accounting principles and concepts introduced in the Accounting I course. In addition, advanced accounting covers a manual and computerized accounting cycle for a corporation. Several manual and computerized simulations will also be covered emphasizing individualized and cooperative learning among students. This class is not teacher-centered learning. It is designed only for those students who are seriously considering pursuing a career in the area of business

Driver's Education

Driver Education is required for all students who wish to secure a license to operate a motor vehicle before their eighteenth birthday. A student must be 14 years of age and

have an Iowa Instruction Permit with them on the first day of class. Spring and summer classroom sessions are scheduled to complete the thirty hours of classroom instruction and six hours behind the wheel sessions. The course is offered through the Mississippi Bend Area Education Agency and taught at Bellevue High School. Registration is by mail early in the second semester and the class fee is determined on a yearly basis with information on this available in the office each school year (Full and partial waivers may be available for students).

Literacy: English/Language Arts

The English classes a student will take in high school serve to meet the core requirements that each student needs for their future. Although each year and each class may place an emphasis in a particular area, the core requirements of reading, writing, speaking, listening, and viewing comprise the general structure of our English classes. A course may be known as English or as literature, but all five of the functions still serve as the essential subject matter of the course; and, as the years progress, all are presented in a more complex manner and more is expected from the student.

Bellevue High School requires four years of English courses. All students are required to take English I and English II as freshmen and sophomores, English III as a junior or senior, as well as a semester of Language Arts Survey during high school. Several other electives are offered to allow students more choice in fulfilling the final English requirements.

Language Arts Survey

Semester Course

Required: 9,10

Prerequisites: None

Units Earned: ½

Language Arts Survey may be offered first and second semester and will provide instruction in the language skills for reading, writing, listening, and speaking. Various topics may include research and organization, visual and presentation skills, analysis and critique, and discussion and direction.

English I

Yearlong course

Required – 9

Pre-requisites – None

Units earned – 1

This course is an introduction to the genres of literature and writing, including essay, fiction (short story and novel) nonfiction, and poetry. The basics of grammar, standard language usage, punctuation and capitalization will be reviewed, along with vocabulary connected to units of instruction. Students will be introduced to the steps involved in the

writing process and will create various examples of their writing found in letters, essays, book reviews, poetry, and more.

English II

Yearlong course

Required – 10

Prerequisites – English I

Units earned – 1

English II is a yearlong course with a focus on essay writing. These essays will include, but are not limited to Descriptive, Reflective, Informative, Argumentative, and Persuasive. Compare/Contrast and Cause/Effect Essays will be written as well. Students will also read and respond in writing to various pieces of literature including *Night* and *Julius Caesar*, *Much Ado About Nothing*, and Chris Crutcher's Young Adult novels. Students will also be instructed in the fundamentals of the research process utilizing the MLA method of documentation as well as the conventions of writing.

English III: The British Tradition

Semester Course

Required – 11

Prerequisites: English I and II

Units Earned: ½

British Literature (offered only first semester) will discuss literature from the British tradition. From Beowulf to Shakespeare and beyond, students will recognize the value and influence the British tradition holds on American Literature. Poetry, plays, and short stories will be discussed through essays, exams, projects, presentations, and discussion.

English III: American Literature

Semester Course

Required – 11

Prerequisites: English I and II

Units Earned: ½

American Literature (offered only second semester) will discuss the literature of America from Native America to the Twentieth Century. Students will compare and contrast these classics with today's society. Through essays, exams, projects, presentations, and discussions, students will discover the importance of the literature of the past and how these themes in literature still speak to us today.

Introduction to College Writing

Semester Course

Elective: 11 & 12

Prerequisites: English I, II

Units Earned: ½

Introduction to College Writing is a course designed to present information to college bound students prior to taking ENG:105 (Composition I). The main focus is in the area of essay writing and the review of the fundamentals of writing as students refine and expand their writing abilities. Focus will be placed on the reading, comprehension, and writing connection. Students will be able to critique essays, short stories, and more. Students will also focus on the research process including thesis, structure, and appropriate method of documentation using the MLA format.

Contemporary Literature

Semester Course

Prerequisites – English I & II

Units earned ½

Contemporary Literature is an English course designed to focus on the reading and writing components in the Literacy venue. Students will read short fiction, novels, and nonfiction including informational text. Students will respond to contemporary authors with critical reviews, essays, and group discussion.

Elements of Drama in Literature

Semester Course-Second Semester

Elective: 11 & 12

Prerequisites: English I, English II, and Language Arts Survey

Units Earned: ½

In this class, students will discover the Elements of Drama within Literature. Students will look at aspects of plot, character, setting, theme, point of view, and more within literature. A complete and concise student portfolio involving each of these areas as it applies to the literature we discuss may be required as evidence of learning. Also, over the course of the semester, the students will create written responses and complete exams pertaining to the literature we read. Near the end of the semester, students may perform a short play utilizing knowledge gained from the class. As we start at the very beginning of drama within literature, we will dig into Greek Theater, Shakespeare, and even the history of Broadway!

Print Communications I

Semester Course

Elective: 10, 11, 12

Prerequisites: English I and II, and Computers

Units Earned: ½

This course is an introductory look at the theories, styles, and skills of newspaper writing. Areas covered will include the study of interviewing techniques and writing news articles including features and editorials. Practical experience will be gained

through the bi-weekly publication of the Comet Tale. Students must have some computer experience prior to Print Comm I.

Print Communications II

Semester Course

Elective: 10, 11,12

Prerequisites: Print Communications I

Units Earned: ½

Print Communications II students will continue working with techniques and fundamentals required in writing. Students will also be responsible for articles published in the bi-weekly Comet Tale.

20th Century American Novels

Semester Course

Elective: 12

Prerequisites: American Literature (Second Semester)

Units Earned: ½

This class (offered every other year) incorporates Elements of Literature along with in-depth critical analysis of authors and their works from the early 1900s through the 1970s. Each decade had its own flair, and we, as a class, will discuss and discover why that author and his creative techniques were valuable to the era. From the “Roaring Twenties” through Viet Nam, students will develop a more critical view of the literature of the “not so distant” past.

Students will participate in discussion forums, creative articles and presentations, along with essays and exams during this semester long class

Real World Language

Semester Course

Elective: 11, 12

Prerequisites: English I and II

Units earned: ½

This semester long course focuses on teaching technical reading, writing, and communication skills students will encounter after graduation. Significant focus will be placed on nonfiction reading and writing as students navigate and compose technical documents, including forms, applications, instructions, resumes, letters, and articles. Students will also review and refine communication skills through presentations, collaborative discussions, group work, and online platforms.

Composition I (ENG:105)

Semester Course

Elective: 12

Prerequisites: English I, II, III, and ACT
Units Earned: ½

Concurrent Credit Course (1st Semester at Bellevue High School)

ENG:105 Composition I
3 credits

Composition I (ENG:105) is a writing and reading course designed to prepare the student for the types of written communication and thought essential to the academic and working world. The general goals of Composition I are to have students gain more confidence in their writing abilities and improve their proficiency in critical reading and writing covering various types and styles. Included in the first semester class are essays of Compare/Contrast, Problem/Solution, Definition, Persuasion, and more. This course satisfies a general education requirement in the Communications Area. This class focuses on the elements of writing involving MLA method of documentation in this first semester. **Prerequisites include English I, II, III, as well as accepted scores on the Compass Exam or ACT, and recommendation from the English Instructors.**

Composition II (ENG:106)

Semester Course

Elective: 12

Prerequisites: English I, II, III, ACT, ENG:105, and recommendation of instructor

Units Earned: ½

Concurrent Credit Course (2nd Semester at Bellevue High School)

ENG:106 Composition II
3 credits

This second semester college credit writing course is designed to step beyond the requirements of ENG:105 with research writing, argumentation, critical reviews, and literary criticism, along with cause/effect, extended metaphor, and more to prepare students for writing necessary beyond high school.

Documentation following the APA method will be utilized as well as MLA method, so students are well versed in both formats for higher-level learning. This course satisfies a general education requirement in the Communications Area.

Prerequisites include ENG:105 and recommendation from English Instructors.

Family and Consumer Science

Food I (Food & Nutrition)

Semester Course: First Semester

Elective: 9, 10, 11, 12

Prerequisites: None

Units Earned: ½

Food & Nutrition is an introductory course designed to emphasize the principles of nutrition, safety and sanitation. Students will develop skills in food preparation as well as experiences with planning, preparing and serving a variety of foods.

Foods II (Creative Cuisine)

Semester Course: Second Semester

Elective: 9, 10, 11, 12

Prerequisites: Food & Nutrition

Units Earned: ½

Creative Cuisine is a continuation of the introductory course. It is designed to give a more detailed study of nutrition, meal planning and advanced cooking techniques. Time and money management are stressed along with good nutrition. Some whole meals will be prepared.

Foods III (Edibles)

Semester Course

Elective: 10, 11, 12

Prerequisites: Food & Nutrition & Creative Cuisine

Units Earned: ½

This course is for the student who wants to prepare incredible foods to eat. It allows the student to become a creative cook. Areas of study include food borne illnesses, specialty appliances, recipe alteration, ethnic foods, knife skills, and creative cooking techniques.

Parenting I

Semester Class: First Semester

Elective: 10, 11, 12

Prerequisites: None

Units Earned: ½

This course is designed for young men and women to help them develop skills in caring for the children of others or for their own children in the future. Students will explore the physical, social, emotional and mental development of children from conception to school age. "Baby Think It Over" will be taken home by every student.

Parenting II

Semester Class: Second Semester

Elective: 10, 11, 12

Prerequisites: Parenting I

Units Earned: ½

Parenting II will be a continuation – extension of Parenting I. Units will be: toddler, pre-school and school age child. Selecting a quality day-care, nursery school provider will be addressed, as well as many other important issues.

Clothing Selection and Construction

Semester Course

Elective: 9, 10, 11 & 12

Prerequisite: None

Units Earned: ½

The course is for students interested in learning to sew or perfecting that skill. The student within the guidelines of the class will select clothing projects. Grading is done on individual basis. If you have the desire to sew, this course is for you.

Foreign Language

Bellevue High School offers four years of uninterrupted study of the Spanish language.

Learning a second language is complex, challenging and exciting. Students will be able to read, write, comprehend and communicate in the Spanish language. They will also develop an awareness and appreciation of the Spanish-speaking world by examining many different aspects of their culture. Education today demands more global awareness. Our students will also satisfy college requirements.

Spanish I, II, III & IV utilize the McDougal Littell ¡En Español! Spanish Program. These programs are carefully designed to guide the students toward speaking, writing, reading and comprehending the Spanish language. These programs also provide a general insight into how languages work. The goal is to equip students to:

- Function in a Spanish-speaking culture.
- Use the language for a lifetime of personal enjoyment and enrichment.
- Appreciate the role of Spanish-speaking cultures in a global context.
- Continue expanding their ability to speak, read, write and comprehend spoken Spanish for further education and for the workplace.

Spanish I

Year Course

Elective: 9, 10, 11, 12

Prerequisites: None

Units Earned: 1

Spanish I is a study of expressing greetings, introductions, and discussing the community, family, school, schedules, activities and weather in Spanish. It develops the ability to use Spanish verbs in the present tense and introduces one possible way to use the past tense. We learn to pronounce words well enough for a foreign speaker to understand the Spanish we have studied. Students will learn how to communicate in certain situations. The course also begins to examine many Spanish-speaking cultures in the World.

Spanish II

Year Course

Elective: 10, 11, 12

Prerequisites: Spanish I with a “C” or teacher permission

Units Earned: 1

Spanish II is a continuation of Spanish I. In Spanish II we learn how to identify places, give instructions and addresses, talk about shopping and bargaining, order and discuss food, describe our daily routine and chores, persuade others, describe past activities, make suggestions, talk about professions, and discuss future events. We explore more of the present tense verbs, but also learn the preterit form of verbs, how to give commands, use the present progressive and introduce one possible way to use the future tense. We continue to learn about Spanish-speaking cultures.

Spanish III

Year Course

Elective: 11, 12

Prerequisites: Spanish I and II with teacher permission

Units Earned: 1

Spanish III is a continuation of Spanish II. A new text is introduced. Spanish will be spoken more frequently in the classroom setting. We begin with a review of what we have learned in Spanish I and II. We will learn how to discuss leisure time and travel, express preferences, discuss communication, describe childhood experiences, discuss family celebrations, order in a restaurant, talk about daily routine and personal care, talk about chores, and give advice. We explore more preterit forms of verbs; discover the imperfect verb form, the progressive tenses, different command forms. We continue to learn about Spanish-speaking cultures with a more in-depth study of Spanish-speaking communities.

Spanish IV

Year Course

Elective: 12

Prerequisites: Spanish I, II, III with teacher permission

Units Earned: 1

Advanced Spanish is a continuation of the student's previous level of Spanish, and the subjunctive verb form will be introduced. More proficiency will be expected from the student along with a more in-depth study of Spanish-speaking cultures. We will explore possibilities for using our Spanish knowledge in our futures.

Health and Physical Education

Health

Year Course

Elective: 9, 10, 11, 12 (9th & 10th grade students must take the 1st semester before taking the 2nd semester (Biology/Anatomy and Physiology course experience is a requirement before taking the 2nd semester)

Prerequisites: None

Units: ½ per semester

The purpose of the course is to aid students in improving and maintaining their own health, and in accepting responsibility for protecting the health of others. The course helps students examine their lifestyles, select goals, and make plans to achieve and maintain optimum health. The course provides current facts in the following areas: mental health, family and social health, growth and development, nutrition, exercise and fitness, drugs, diseases and STD's, consumer and personal health, safety and first aid, and community and environmental health. Students learn to differentiate between healthful or wellness behaviors, and harmful or risky behaviors in each of these areas.

Physical Education

Year Course

Required: 9, 10, 11, 12
Prerequisites: None
Units Earned: 1

State law requires participation in physical education each year in school for every student unless excused from activity for medical or other valid reason accepted by the school administration. The following are several aspects of the physical education program which are offered to the student:

- 1) physical activities, which help to develop individual mental and physical fitness;
- 2) experiences, which lead to appreciation of and skill in movement;
- 3) skill and appreciation which will enable the individual to enjoy a variety of recreational activities;
- 4) health knowledge, attitudes, and practices which are applied in daily living;
- 5) experiences, which produce leadership qualities.

All students take Physical Education 4 times a week during each of their years in high school.

Industrial Technology

Most classes in the Industrial Technology department charge a one-time fee of \$10.00 for protective eyewear and protective hearing devices. Materials for student projects are supplied, although students may have the option to “upgrade” to a higher quality of wood or design a different project. If students “upgrade” or “change” they will be required to pay for the costs of the projects. The students will record their individual progress in each area in a daily activity log, and students are required to supply a notebook, and pencil.

Introduction to Industrial Technology

Semester Course
Elective: 9, 10, 11, 12
Prerequisites: None
Units Earned: ½
Lab Fee: \$10.00

This course will cover the areas of drafting and wood processing skills. The introduction of drafting will help the student develop and construct his/her own project. Safety and proper machine operation will be introduced. This class with a “C” grade is a *prerequisite to all industrial technology classes, except electricity and carpentry.*

Wood Processing

Semester Course

Elective: 9, 10, 11, 12

Prerequisites: Introduction to Technology with a "C" or better

Units Earned: ½

Lab Fee: \$10.00

In Woods Processing the student will learn the proper ways to use and maintain the hand and machine tools necessary to build a project. The students will review the safety procedures necessary to do safe and efficient in the shop area. Upon completion of this course the student will be able to draw and build a project within the guidelines acquired from this class.

Metals Processing

Semester Course

Elective: 10, 11, 12

Prerequisites: Intro to Technology with a "C" or better

Units Earned: ½

Lab Fee: \$10.00

Metals will cover where metal originated and how it is turned to metal. Metals will also sheet metal, welding (stick, mig and oxy acetylene), bench and wrought metal, and machining. Machining will include metal lathes, vertical milling machines, along with bending and cutting techniques.

Advanced Metals

Semester Course

Elective: 10, 11, 12

Prerequisites: Metals Processing with a "C" or higher

Units Earned: ½

Lab Fee: \$10.00

Advanced Metals will cover various casting techniques such as soldering and various welding to include: MIG, TIG, STICK, O-A cutting torch, and O-A welding torch. Machine operations including metal lathe turning, milling machine operations and foundry fundamentals will be explored. Advanced milling and lathe work will be introduced through various class projects. **Similar Concurrent Credit course is WEL: 126 Shielded Metal Arc Welding-Basic.**

Concurrent Credit Course

WEL: 126 Shielded Metal Arc Welding-Basic

4.75 credits

This course covers basic shielded metal arc welding procedures in the flat, horizontal, vertical, and overhead position. Variety of hands-on projects/experiments integrates and

reinforces theoretical concepts in the
laboratory setting.

Pre-Requisite: Introduction to Industrial Technology and Metals Processing at Bellevue
High School

One semester course at BHS.

Basic Electricity

Semester Course

Elective: 9, 10, 11, 12

Prerequisite: Strong Math background (Algebra)

Units Earned: ½

Lab Fee: \$10.00

In this course the theory of electricity and its practical application is studied. The students will be introduced to OHM's Law (Parallel Circuits Series). It will cover AC and DC voltages. The student will gain practical knowledge usable in every day life. Considerable time is spent in the lab, setting up and testing electrical components and circuits. Working with household electrical systems and the wiring of several common household circuits follows this.

Technical Math

Semester Course

Elective: 11,12

Prerequisites: Introduction to Industrial Technology

Units Earned: ½

Advanced Woodworking

Semester Course

Elective: 10, 11, 12

Prerequisite: Intro to Tech and Woods Processing with a
grade of "C" or better

Units Earned: ½

Lab Fee: \$10.00 (Additional project fee depends on the chosen project)

Advanced Woodworking will provide the student with basic instruction in the area of wood finish, joinery, laminating, patternmaking and mass production. This will help the student develop competent technical skills needed to enhance performance in the area of woodworking. Special procedures will enable the student to move beyond the basic woodworking techniques and develop a better understanding for the methods and processes needed to become successful in the woodworking area.

Modern Carpentry

Semester Course

Elective: 10, 11,12

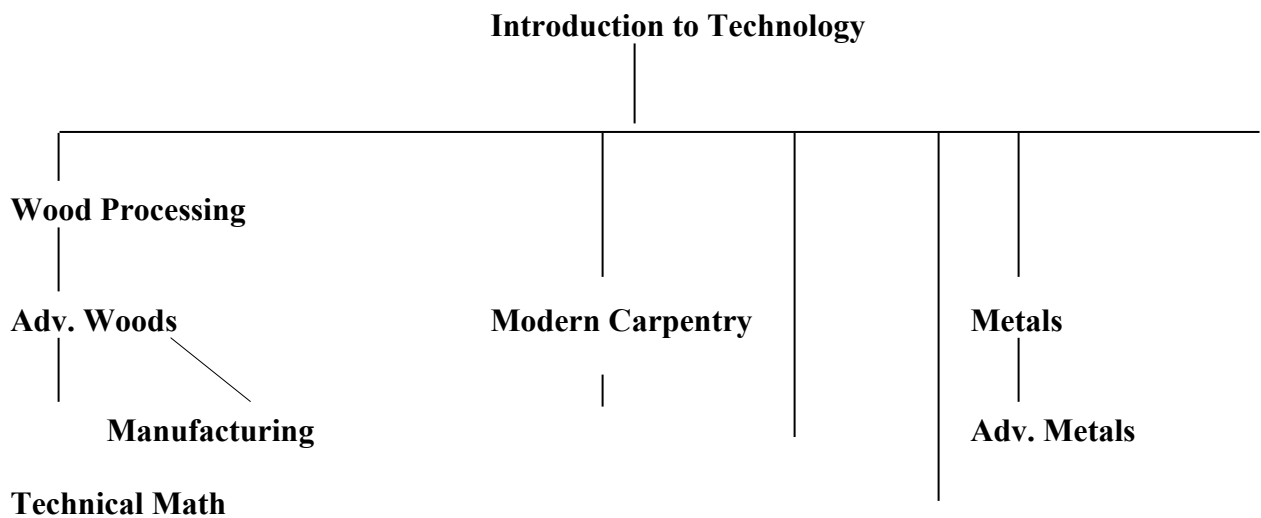
Prerequisite: Introduction to Industrial Technology

Units Earned: ½

Lab Fee: \$10.00

In modern carpentry, the student will design and build a model wooden home. Areas of concern will be in the floor, walls, and roof designs. Students will be introduced to basic drafting techniques in developing their own floor plan. Safety glasses are required.

Industrial Technology “Map” of Courses and Prerequisites...



Mathematics

Algebra

Year Course

Elective: 9, 10, 11, 12

Prerequisites: None

Units Earned: 1

Algebra will involve the challenge of developing 21st century thinking skills and students will be able to problem solve. A TI – 30XA is the calculator recommended for this course, but any scientific calculator will work.

Geometry

Year Course

Elective: 9, 10, 11, 12

Prerequisites: Algebra

Units Earned: 1

Geometry extends knowledge of Algebra and develops an understanding of proof. Real-world applications are used. Topics covered include coordinates, trigonometry, transformations, area and volume formulas, and three-dimensional figures. Students will need a compass, a protractor, and a basic scientific calculator.

Honors Geometry

Year Course

Elective: 9, 10, 11, 12

Prerequisites: Algebra

Units Earned: 1

This course covers the same topic as Geometry, but at a more rigorous pace. Information is presented with greater depth and with more hands on applications.

Advanced Algebra

Year Course

Electives: 10, 11, 12

Prerequisites: Geometry

Units Earned: 1

Advanced Algebra uses practical application, mathematical thinking and challenging skills to address functions, graphs, linear relations, matrix, quadratics, powers, radicals and trigonometry. Most colleges want students to have an Advanced Algebra background. A graphing calculator is helpful for this course, but is not required. A TI-30XA calculator is required.

Pre-Calculus

Year Course

Elective: 11, 12

Prerequisites: Algebra, Geometry, Advanced Algebra

Units Earned: 1

This particular course is designed for the math oriented student, and the student who is anticipating a math or science program in college. There is emphasis on functions, statistics, relationships, graphs, and identities. Trigonometric facts and applications will be used in depth. Sequences, series, and logarithms are implemented. Sections on probability, permutations, and combinations are included. The graphing calculator is required for this course.

Calculus

Year Course

Elective: 11, 12

Prerequisites: Pre-Calculus

Units Earned: 1

This is an introduction to calculus taught in the classroom. Content covered will prepare students for college calculus, physics, and some economics courses. This class expounds on topics covered in pre-calculus, explores differentiation and integration, and applies uses for trigonometric and logarithmic functions. A graphing calculator is required for this class.

Business Math & Calculators

Semester Course

Elective: 11, 12

Prerequisites: One year of Math

Units Earned: 0.5

This course presents everyday math skills that individuals in society need, along with providing students with an understanding of the concepts and principles involved in managing one's personal finances. Topics will include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning.

Math for Liberal Arts

Semester Course

Elective: 10, 11, 12

Prerequisites: Advanced Algebra

Units Earned: 0.5

Tech Math

Year Course

Electives: 10, 11, 12

Prerequisites: Algebra, Geometry

Units Earned: 1

This course is co-taught between the mathematics department and vocational education department. This class introduces students to the mathematic and logic principles behind technical fields such as construction, material and machine fabrication, other trades. Students practice their skills and crafts in the classroom and on working job sites in the community.

Music

Band

Year Course

Elective: 9, 10, 11, 12

Prerequisites: None

Units Earned: 1

This is a performance class that prepares students for concerts, contests and parades. The course studies a wide variety of music and includes concert, marching, jazz and pep bands and solo/ensemble work.

Chorus

Year Course

Elective: 9, 10, 11, 12

Prerequisites: None

Units Earned: 1

High School Chorus consists of groups of individuals who enjoy singing. Several types of music are sung, sacred, folk, rock, classical, etc. The chorus participates in a Conference Vocal Festival, a Christmas Vocal Festival, a Christmas concert and a spring concert. Students also have a chance to participate in State Solo and Ensemble contests, Show Choir, Chamber Choir, All State Music Festival; various honor choirs, and various community events.

Drill Team

Semester Course-First Semester

Elective: 9, 10, 11, 12

Prerequisites: Audition

Units Earned: 1/2

Students selecting this course will practice the routines presented by the drill team during the football season.

Science

Physical Science

Semester or Year Course

Elective: 9, 10

Prerequisites: None

Units Earned: 1/2 or 1

The course will present astronomy, plate tectonics, meteorology, earth resources, motion, force, work and energy. Lab work is also included in this course.

Introduction to Geology

Semester or Year Course

Elective: 9, 10, 11

Prerequisites: None

Units Earned: 1/2 or 1

This course will present topography, geography, mapping, structure of the Earth's layers, geologic time, plate tectonics, folds and faults, mountains and plateaus, earthquakes and volcanoes, minerals, rocks, weathering, erosion, history of life on earth, and energy resources Lab work is related to the topic currently under study.

Biology

Year Course

Elective: 9, 10, 11, 12

Prerequisites: None

Units Earned: 1

Biology is a lab-assisted study of the life processes, growth and reproduction of all living things. The class also includes cellular processes and genetics to include genetic engineering. Students will learn to set up and run their own experiments; study models and charts of different organisms; and how these processes apply to their own lives.

Biology II

Semester Course

Elective: 11, 12

Prerequisites: Biology (with Instructor/Administrative approval)

Units Earned: ½

This course is inquiry based and pursues the questions students have that involve biology. Depending on the interests of the class, subjects studied can range from the brain's cortex layer to the ozone layer and how the individual is involved, and how it affects lives now and in the future.

Medical Terminology

Semester Course

Elective: 11, 12

Prerequisites: Biology, Anatomy & Physiology

Units earned: ½

This is a *concurrent credit course* offered at BHS.

Concurrent Credit Course

HSC: 113 Medical Terminology

1 credit

This course will enable the student to recognize and define medical terminology as well as identify medical words from Greek and Latin prefixes, suffixes, word roots and combining forms.

Concurrent Credit can be gained for this course if students take Medical Terminology and Anatomy & Physiology at BHS

Forensics

Year or Semester Course

Elective: 11, 12

Prerequisites: Biology

Units Earned: 1

Forensic science is the study and application of science to matters of law. Students study recent cases and the latest logical techniques used to solve those cases in a hands-on manner to help take the mystery out of a mystery.

Anatomy and Physiology

Year Course

Elective: 10, 11, 12

Prerequisite: Biology

Units Earned: 1

This class will teach a basic understanding and working knowledge of the human body. It will be helpful to those students interested in nursing, medical technology, physicians assistants, physical therapy, dental hygiene, mortuary science, or physical education. This class is required to gain concurrent credit in Medical Terminology.

Chemistry I

Year Course

Elective: 10, 11, 12

Prerequisites: Algebra I, Geometry, or with Instructor Approval

Recommended: Advanced Algebra

Units Earned: 1

The fundamental principles concerning atoms, molecules, elements, compounds, chemical bonds, structure of molecules and quantum theory are explained in lecture. Calculations with reactions, equations, equilibrium is done. Lab work is related to lecture material.

Chemistry II

Year Course

Elective: 12

Prerequisites: Chemistry I (with a grade of a "B" or above) or with Instructor Approval

Units Earned: 1

The fundamental principles of Atomic Structure, Formulas and Compounds, Stoichiometry, Bonding, Gases, Solutions and Changes of State are studied. Qualitative and Quantitative problems are done. Lab work is related to lecture material.

Introduction to Physics

Year Course

Elective: 11, 12

Prerequisites: Algebra, Geometry, and Enrollment in Advanced Algebra

Units Earned: 1

This course will serve as an introduction to Physics and discuss some of the fundamental aspects of physics that are needed for a clear understanding of the subject matter. Some of the topics covered will include the fundamentals of mechanics, Newton's Laws of Motion, and energy, along with calculations using vectors, trigonometry and equations to solve problems involving motions, forces and energy. This course is strongly recommended prior to taking Physics or College Physics I.

Social Studies

Big History (formerly SSS)

Year Course

Required: 9

Prerequisites: None

Units Earned: 1

Big History weaves evidence and insights from many disciplines across 13.8 billion years into a single, cohesive, science-based origin story. The concept arose from a desire to go beyond specialized and self-contained fields of study to grasp history as a whole. Big History explores how we are connected to everything around us and where we may be heading. It provides a foundation for thinking about the future and the changes that are reshaping our world.

Big History challenges students to think critically and broadly and tries to ignite a passion for inquiry. Access to a wide variety of learning resources encourages exploration. Students practice critical reading and writing skills through investigations, projects, and activities, and gain a strong interdisciplinary foundation, which provides a useful context for understanding world events in the past and present.

American History

Year Course

Required: 11

Prerequisites: None

Units Earned: 1

The purpose of this course is to give students a better understanding of United States History as well as, to improve literacy and writing skills as they apply to the study of history. The class will be focused on the singular question of what is the American Identity? Students will examine and analyze this question through the scope of the concept of freedom, conflict, and unique individuals.

American Government I

Semester Course - First Semester

Required: 12

Prerequisites: None

Units Earned: 1/2

This course is designed to give the student a fundamentally sound introduction and understanding of the blueprint of our National, State, and Local levels of Government. It will be broken into five units covering the foundation of our government, political parties and government process, and the three branches of government.

American Government II

Semester Course - Second Semester

Elective: 12

Prerequisites: None

Units Earned: 1/2

The purpose of this course is to give the student a fundamentally sound introduction and understanding of state and local government. The student will apply principles learned in Government I to the content of this course. The main areas of emphasis will be federalism, cooperative federalism, the workings and issues involved in Iowa, Jackson County, and area municipal government, analysis of the state constitution of Iowa and analysis of current issues in Iowa and municipal government.

Economics

Semester Course

Elective: 10, 11, 12

Prerequisites: None

Units Earned: 1/2

Economics is a living, encompassing treatment of the material and monetary forces that surround all of us in our daily lives. It deals with the basic economic principles and business relations, which evolve into the essential experiences of earning, spending, investing, and managing money as an adult. How the economic system operates to satisfy our wants and needs, the concept of free enterprise and our mixed economy is also covered. Each student will participate in two stock market simulations. Mastery of the class material will also lay a sound foundation for those intending to attend college.

Sociology

Semester Course

Elective: 11, 12

Prerequisites: None

Units Earned: 1/2

The purpose of this course is to give the student a fundamentally sound introduction and understanding of the study of sociology and the sociology of American society. We will attempt to explore all dimensions of sociology with emphasis on research, theorists and their theories, along with the values, beliefs, institutions and problems of American society. Time will also be spent on social psychology dealing with human relations and social interaction. Mastery of the material will make students more aware of their social environment, American society and their own self-awareness and social interaction. Mastery of the class material will also lay a sound foundation for those intending to attend college.

Criminal and Civil Justice

Semester Course

Elective: 9, 10, 11, 12

Prerequisites: None

Units Earned: 1/2

This course traces the development of the American justice system. The interaction between changes in society and changes in the criminal and civil justice system will be traced, with emphasis on Iowa's court system. The course will also cover juvenile justice and participation in mock trials.

Current Issues and Answers

Semester Course

Elective: 10, 11, 12

Prerequisite: None

Units Earned: 1/2

This class will look at problems facing today's society using various media perspectives. Class is based entirely on what currently plagues the world's cultures and what will need to be addressed in the future as students look toward becoming a part of the "real world". While a great many issues will be addressed, each student will be encouraged to delve deeper into one specific subject during the semester.

Intro to Psychology

Semester Course

Elective: 11, 12

Prerequisites: Junior or Senior, or Gifted & Talented Identification

Units Earned: 1/2; also available for 3 hours college credit.

Psychology is the study of human behavior, mental processes, and how they relate to the behavior of others in terms of personal and social adjustment. The course is offered on the ICN.

Developmental Psychology

Semester Course

Elective: 11, 12

Prerequisites: Junior or Senior, or Gifted & Talented Identification

Units Earned: ½; also available for 3 hours college credit.

Developmental Psychology focuses on the development of individuals across the lifespan. This course is offered on the ICN.

World History Through Film

Semester Course

Elective: 9, 10, 11, 12

Prerequisites: None

Units Earned: 1/2

This class will look at historical themes through film and force the student to make a critical decision on whether or not the film is an accurate depiction of a historical event. This class is intended to develop the student's critical thinking abilities through multiple strategies.

Special Education Program

Study Skills

Semester Course-Both Semesters

Elective: 9,10, 11,12

Prerequisite: I.E.P. Team Approval

Units Earned: 1/2

A structured small group atmosphere for the successful completion of course work. IEP (Individualized Educational Program) goal monitoring and skill building activities are used to increase academic proficiency.

Work Experience

Year Course

Elective: 10,11,12

Prerequisite: I.E.P. Team Approval

Units Earned: 1/2

A course for students who have completed classroom readiness in the areas of job getting and job keeping skills. Students will be graded on their performance at the job site.

Vocational Agricultural Education

The ultimate goal of the Bellevue Ag Science Program is to produce individuals who can gain entry into agricultural careers or pursue advanced studies in agriculture. Some of the students gain their initial interest in agriculture from growing up on a farm; however, many gain their first exposure to Agriculture in freshman Ag Science class. Through Ag Science, students will build confidence; learn to locate, analyze, and apply information about the world of agriculture; apply this knowledge to life outside school; understand advances in Ag Technology; build sound economic practices in business and accounting; and develop leadership-work skills. Students develop these qualities through the study of Animal Science, Crop Science, Natural Resource Management, Agriculture Mechanics, Agribusiness Management and Operation, and Supervised Agricultural Experience. Ag Science students can extend and apply their knowledge through participation in the Bellevue FFA organization.

Ag I (Agriculture Science)

Year Course

Elective: 9, 10 & 11

Prerequisites: None

Units Earned: 1

Major Units of Study: FFA, Planning SOEP, Parliamentary Procedure, Basic Animal Science - Beef, Dairy, Swine, Sheep, Poultry, Horses, Livestock Judging, Basic Ag. Mechanics - Concrete, Welding, Ag-Construction, Small Animal Production, Gardening and Ethanol.

AG II (Crop and Plant Science)

Semester Course-first Semester

Elective: 10, 11 & 12

Prerequisites: Ag Science

Units Earned: 1/2

Major Units of Study: Plant Growth and Reproduction, Management and Production of Corn, Wheat, Oats, Soybeans, Alfalfa, Perennial Forage Grasses, Pastures, Conservation Tillage/Crop Rotation and the Identification and Control of Weeds.

AG II (Soil Science)

Semester Course-First Semester

Elective: 10, 11 & 12

Prerequisites: Ag Science

Units Earned: 1/2

Major Units of Study: Soil Judging, Soil Fertility, commercial Fertilizers, Soil and Water Conservation, Soil Testing, Soil Nutrients, Developing Soil Conservation and Management Plans.

AG III (Advanced Animal Science)

Semester Course-First Semester

Elective: 10, 11 & 12

Prerequisites: Ag Science

Units Earned: 1/2

Major Units of study: Animal Health and Diseases, Livestock Genetics, Animal Nutrition and Feed Ration Formulation, Livestock Records and Analysis, In-depth study of Livestock Management of Beef, Dairy, Swine, Sheep, Horses.

AG III (Machinery Management)

Semester Course-Second Semester

Elective: 10, 11 & 12

Prerequisites: Ag Science

Units Earned: 1/2

Major Units of Study: Measuring Machine Capacity, Improving Field Efficiency, Matching Size and Capacity, Power Requirements, Costs of Repairs, Operations, Fuel, and Lubrication, Tractor Design and Repair, Hay and Haymaking and Combine Harvesting. Students will be working in the shop during this unit. **Similar Concurrent Credit course is AGH 143 Equipment Repairs.**

Concurrent Credit Course

AGH: 143 Equipment Repairs 3 credits

An introductory course in basic horticulture equipment maintenance. Areas to be covered will include safety, basic tools, air-cooled engine technology, fuel and lubrication, electrical systems, governor systems, failure analysis, and engine disassembly and inspection, maintenance schedules and basic repairs.

One semester course at BHS, which also must include Power Systems in the Industrial Technology department.

AG IV (Ag Business Management)

Semester Course-First Semester

Elective: 12

Prerequisite: Ag Science

Units Earned: 1/2

This advanced level, semester course is designed to emphasize both farm and

agribusiness management. Students will manage two simulated agricultural businesses. Learning opportunities will concentrate on the areas of credit, money management, marketing, and tax and business planning. Students will apply the principles of business management to operation of a farm and off-farm business related to one of the occupational areas of agriculture. Students will also be exposed to a variety of agricultural topics including international agriculture and commodities, along with the use of agricultural products for areas outside of agriculture (ethanol, etc.)

AG IV (Ag Sales)

Semester Course-Second Semester

Elective: 12

Prerequisite: Ag Science

Units Earned: 1/2

This is a course designed for upper level students interested in the many career opportunities in the largest occupational area of the agricultural industry. This course concentrates on developing skills and knowledge in agricultural salesmanship techniques, advertising, personnel management, interviewing, cooperatives and telemarketing. Students will acquire competencies to be applied to real-life situations in agriculture sales and service occupations.

AG II (Horticulture)

Semester Course – 2nd Semester

Elective: 11 & 12

Prerequisite: None

Units Earned: 1/2

The content areas in this course will include landscaping, floriculture, forestry, gardening, turf, greenhouse management, and basic plant biology. The course will emphasize career skills and opportunities in these areas. **Similar Concurrent Credit course is AGH 234 Plant Identification and Care I.**

Concurrent Credit Course

AGH:234 Plant Identification and Care I 2 credits

Introduces the student to the study of garden and house flowering and foliage plants. Topics will include production, culture, propagations and materials necessary for the growth of annuals, perennials, bulbs, ground cover, ferns, exotic and tropical plants, shrubs and roses.

Wildlife I (Natural Resource/Wildlife)

Semester Course – 1st Semester

Elective: 9, 10, 11, 12

Prerequisite: None

Units Earned: 1/2

A balanced introduction to natural Resource Management that includes wildlife and fisheries management. Units included: Natural Resource Conservation, Habitat, Wildlife and Fish Identification, Upland Birds, and Careers in Wildlife Management.

Wildlife II (Envirothon preparation)

Semester Course – 2nd Semester

Elective: 9, 10, 11, 12

Prerequisite: None

Units Earned: 1/2

This class will develop career skills in several areas of testing, measuring, and harvesting resources in ecology, forestry, and aquatics.

Individual Projects and Workplace Experiences

Senior Project

Semester Course

Elective – 12th grade only

Prerequisite – Approval of HS Principal

Units Earned – 1/2

Students will work with instructors and the HS principal as mentors to explore topics of interest related to their previous and current academic studies. This course is designed to serve as an opportunity for students to expand their knowledge beyond the novice level in a particular subject area(s), apply information in a meaningful manner, and explore a topic in greater detail and develop more advanced skills. A thesis statement and overall project plan/outline will be necessary prior to student admission to the program.

Career Tech Research

Semester Course – Both Semesters

Elective – 12th grade only

Prerequisite – Approval of Department Area instructor and HS Principal

Units Earned – 1/2

Students will be responsible for further exploring an area in a career/tech departmental area (Business, Family & Consumer Science, Industrial Technology, or Vocational Agriculture) and developing a project in this area to expand on their previous learning's in courses and present research on the topic to a faculty panel. Admission to this program will be based on an application process and approval from the department area instructor and principal. This course will be graded as Pass/Fail.

Career Tech Experience

Semester Course

Elective – 12th grade only

Prerequisite – Career Tech Research

Units Earned – 1/2

Students in this course will work in a career/tech field (Business, Family & Consumer Science, Industrial Technology, or Vocational Agriculture) during the semester. Admission to the program will be based on an application process and approval from the department area instructor and principal, along with the student developing their workplace experience in the community. This course will be graded as Pass/Fail.

Independent Service Learning

Semester Class (can be taken two semesters)

Elective: 11, 12

Prerequisite: None

Units Earned: 1/2

The students will be assigned blocks of time to work at the elementary building or another service site in the school district or community. The scheduling duties and responsibilities would be flexible. Grading will be on a Pass/Fail basis. In addition, opportunities may be available for an advanced service learning opportunity for students who want to combine academic course work with a service learning experience.

Academic Services

Semester or Year Course

Elective – Assigned by the Administration

Units Earned – $\frac{1}{2}$ or 1

This course will be assigned as needed to students who are struggling in their studies in school, specifically in the areas of Math and Literacy typically (but it could include other areas). This will be a “guided instruction” time with a small group of students.