

BHS

**Bloomington High School
Course Description Guide
2021-2022**



INTRODUCTION

This guide has been developed by the administration of Bloomington High School. Its purpose is to provide information about the over 200 courses which will be offered at Bloomington High School during the 2021-2022 school year. The guide is intended to help students and their parents become better acquainted with the content of specific courses and to aid them in the decision making process which will be taking place during registration. Additional academic regulations are published in the Student/Parent Handbook published in August.

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Superintendent

BHS Administration

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BLOOMINGTON HIGH SCHOOL MISSION STATEMENT

Bloomington High School is a diverse community that supports lifelong learners who are responsible and productive citizens in our global society.

Together we will provide a safe environment that guides students to reach their full potential in pursuit of academic and personal fulfillment.

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Declaration of Non-Discrimination

No student, employee, or applicant for employment shall, on the basis of age, race, color, gender, religion, national origin, marital status, or disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity. Correspondence concerning these issues may be addressed to the Principal's office.

COURSE REQUIREMENTS FOR COLLEGES AND UNIVERSITIES

College entrance requirements often exceed the minimum requirements for graduation. In the State of Illinois, there are significant requirements for the high school courses expected for college admissions. Many colleges require or expect completion of 4 credits in English, not counting Drama, or Journalism. Other common minimum requirements are completion of at least Algebra II in math, 2 and sometimes 3-4 years of the same foreign language, 3 years of social science and science, and a total of at least sixteen credits in these areas. Students planning to attend the University of Illinois are advised to take at least three years of the same foreign language and preferably four since this may help meet their bachelor's degree requirement. The Guidance Department has information on **general guidelines** for admissions into the major state universities in Illinois, as well as catalogs from other universities. Vocational courses may be substituted in some cases. Please note that for specific information on **ACT/SAT**, class rank and course requirements, consult the college catalog and other guides in the Career Guidance Center. Students can also use the BHS Web Site to access information from colleges via the Internet: **<http://bhs.district87.org>**

Students are also advised that many selective colleges and scholarship programs encourage and often expect students to maintain a full seven credit load each year.

GRADUATION REQUIREMENTS

<u>Subjects</u>	<u>Class Credits</u>	<u>Subjects</u>	<u>Class Credits</u>
English	4	Social Studies	3
Fr. Lit/Comp	1	World History	1
So. Lit/Comp	1	American History	1
Jr. Lit/Comp	1	Social Science Elective	½
Sr. English (Reading/Writing)	1	American Government	½
Math	3	Physical Education	4
Algebra	1	PE 9/Health	½ + ½
Geometry	1	PE 10/11/12	1
Math	1	PE 10/11/12	1
Science	3	PE 10/11/12	1
Biology	1	Fine/Practical Arts or Foreign Language	1
Physical Science	1	Consumer Education	½
Science	1	Electives	5
		Total Credits Required for Graduation	23.5

Students must earn a minimum of **twenty-three and one-half credits in order to graduate from Bloomington High School**. Four credits must be earned in language arts (one credit in each grade); three credits in science, one of which must be a biological science and one must be a physical science; three credits in mathematics, one of which may be related to computer technology; three credits in social studies (one credit in World History, one credit in American History, and one-half credit in American Government, and one-half credit in an elective course); four credits in physical education (one credit in each grade); and one credit in music, art, foreign language, or vocational education. The student must also satisfy consumer education and other State of Illinois requirements.

Under limited circumstances, students may receive advance permission to include courses taken at other institutions. These procedures are listed in the Student/Parent Handbook. Students should not assume these courses would be available in their planning.

Note: The consumer education requirement may be met by passing a half-credit course in addition to the requirements in social science and the fine and practical arts. The approved courses for this purpose are Consumer Economics, Economics, the first semester of Intro to Business. This course would count towards the twenty-three and a half credits required for graduation.

CLASS MEMBERSHIP REQUIREMENTS:

Freshman	Promotion from Grade 8
Sophomore	Six Credits
Junior	Twelve Credits
Senior	BHS class schedule sufficient for graduation in June

NCAA REQUIREMENTS

The National Collegiate Athletic Association (NCAA) has established minimum eligibility requirements for students. This process involves a minimum GPA in courses the NCAA considers to be "core courses" in English, foreign language, mathematics, science, and social science. Algebra, Geometry and Algebra II must be included among a student's core courses. Students interested in collegiate athletics are advised to consult the latest list of NCAA-approved classes with the Registrar in the Guidance Office.

ADVANCED PLACEMENT AND HONORS CLASSES

Advanced Placement courses are offered in English, French, Spanish, Calculus, Biology, Chemistry, Environmental Science, Physics, American History, American Government, Psychology, Music Theory, Studio Art, Statistics and Probability, and Computer Science. The College Board offers an examination in May in a variety of instructional areas. Students scoring 3 or higher on these tests are generally eligible for college credit and/or placement. Students taking AP classes are strongly urged to take this examination. Students taking advanced courses in other areas are also able to take the appropriate AP examination. Strong students in other senior level classes are encouraged to consider preparing for the AP examination in other areas. Bloomington High School also offers a wide range of Honors courses in English, Mathematics, Science, and Social Science. Many selective colleges report that the single most important criterion for admission is the strength of the student's high school program. Honors and Advanced Placement classes help establish this, whereas study halls do not.

CHANGE OF CLASS POLICY

Students have the opportunity and the responsibility to plan a realistic educational program for the following year. Students should study course descriptions, make use of instructors' and counselors' recommendations, and discuss plans with their parents.

Parents and students should give serious consideration to this matter before choosing specific courses because students will be expected to remain in the selected courses. School administrators employ instructors and build a schedule based upon these final selections. Deadlines for course selections will be set each year.

Once the school year starts, your student may be allowed to change classes during the **first five days** of the fall semester, provided one of the following criteria is met:

- Successful completion of summer school classes. (Please remember that students must have prior approval from their guidance counselor and Principal before enrolling in a summer school course).
- Changes for seniors necessary to meet graduation requirements.
- Failure to meet course prerequisites.
- Scheduling conflicts or a scheduling error.
- Missing requirement for university admissions.
- A change in career plans.
- An extreme personal emergency.

After the **first five days of each semester**, students are NOT permitted to enroll in a new course.

If a student needs to move up or drop down a level (Honors, Advanced Placement, General) of the same course, he/she may do so if agreed upon by the student, their parent/guardian, guidance counselor, teacher and Principal/Associate Principal.

Even where one of the above circumstances applies, students can only add classes in the fall on a space-available basis.

BHS Counselors and the Associate Principal may initiate a change in a student's program for the following reasons:

- If a student fails a course and the school rule requires that the student be dropped.
- If an instructor and/or counselor recommends a different course level.
- If it is necessary to "balance" classes.
- If a doctor and/or nurse certifies that a physical condition warrants a change.
- If an error has been made in a student's schedule.
- If the student is needed as a student assistant.
- If a student has failed with an instructor in the past.

Students are not permitted to enroll in a new course after the fifth (5th) meeting of that course. Unforeseen circumstances may result in a variation of this policy. Withdrawal forms are available in the guidance office.

***Withdrawal from an Individual Class:** A student who withdraws from an individual class will be placed in a study hall and will lose credit for that class. A student who withdraws from a class prior to the end of the first or third grading periods will have a "WP" (Withdraw Passing) or a "WF" (Withdraw Failing) placed in their permanent record. Students are advised that "WP" and "WF" grades may be viewed negatively by some colleges and scholarship programs. For example, a grade of "WF" is sometimes treated as an "F". Some programs also look at the number of courses taken each year and may ask for an explanation if the number is unusually low. A student who withdraws from a class after the end of the first or third grading periods will receive a grade of "F" for the entire semester.

GRADES, GRADE POINT AVERAGE, CLASS RANK

Bloomington High School uses a grading system that reflects the student's cumulative grade average and their percentage earned. This will include a letter grade based on the percentage earned: A = 100-90 (superior), B= 89-80 (very good), C= 79-70 (average), D= 69-60 (poor), and F= 59-0 (failure) based directly on the student's cumulative grade average and percentage earned throughout the semester. Study halls and student assistantships do not count for credit and are not included in any grade point average or class rank calculations.

In order to determine grade point average, letter grades are given numerical equivalents in all courses. Grade point average is then determined by dividing the sum of the numerical grades by the number of credits attempted. With some exceptions, letter grades are given the following numerical values: A-5; B-4; C-3; D-2; F-1.

Grades in Honors, Advanced, and Advanced Placement courses are given a higher numerical equivalent (A-5; B-5; C-4; D-3; F-2). After the grade point average is calculated, a value of .023 will be added for each A earned in any course that is specifically titled as Honors, Advanced, or Advanced Placement. Students are advised that many colleges ignore grade point averages as computed by the local high school and recalculate these for their own admission purposes. Even though a D in an Honors course may be weighted to count the same as a C in a regular class, this D may negatively impact on selection decisions at some colleges.

Grades in basic level classes are given a lower numerical equivalent (A-4; B-3; C-2; D-1; F-0). These include all courses with the words "basic," "essential," or "fundamental" in the title, as well as Alternate Education classes, and special education classes.

Students with a final grade point average of 5.621 or higher will be declared co-valedictorians. This average can be reached by earning straight A's and taking at least twenty-seven semesters of honors or AP classes. Co-salutatorians are those whose final GPA's are 5.552 or above, corresponding to twenty-four semesters of Honors/Adv/AP courses. A grade of B in a regular semester class can be compensated for by earning an A in additional Honors or AP class.

For purposes of G.P.A. calculations, students taking Algebra I or first year foreign language while enrolled in 8th grade or below will have these courses on the transcript, and the courses will count for G.P.A. calculations and total graduation requirements.

Students who repeat a course they have previously passed will not receive additional credit. However, the repeat class will be counted towards G.P.A. calculations. In addition, the grade on the repeated course will be reported on the student's transcript. Except in limited circumstances that appear in the individual course descriptions, a student may not repeat Honors courses or courses in which the student previously earned an A or B.

HOW TO USE THE GUIDE

In this guide, you will find the number, the title, and a brief description of each of the courses offered at Bloomington High School. In addition, the length of each course and the credit allotted to each course are shown. Bloomington Area Career Center courses (BACC) are also included in the guide and are represented with a BACC prefix to the course number. (Applications must meet the criteria and be approved by administration for these courses.)

Prerequisites are listed for numerous courses. Prerequisites are conditions that must be met before enrollment. They have been established to provide the maximum assurance that the courses will be completed satisfactorily.

You are urged to read the descriptions, consider the recommendations made by your current instructors, discuss possible selections with your parents, and be prepared to determine your final course selections by mid-December.

DUAL CREDIT/ENROLLMENT COURSES

BHS and the BACC partner with Heartland Community College in order to offer college-level courses to all interested & qualified students through a dual credit/enrollment program. Students will have the opportunity to earn college credit while in high school. The courses are designated with information about the dual credit/enrollment opportunity throughout this guide. Some courses require specific entrance qualifications (Accuplacer OR ACT/SAT test scores OR a specific GPA standing) and/or tuition and textbook fees. Most fulfill general education requirements for many 4-year universities. Please see the course description, requirements, and prerequisites and consult your guidance counselor for more information. All dual credit is given at the discretion of the community college and is subject to change.

BHS DUAL CREDIT COURSES WITH HEARTLAND COMMUNITY COLLEGE (HCC)

HCC Class	BHS Class	HCC Credit
ENGL 101 Critical Reading & Writing	004055 ENGL 101	3 credit hours
ENGL 102 Multimodal Composition	004065 ENGL 102 Multimodal Composition	3 credit hours
LITR 111 Introduction to Literature	004035 LITR 111 Introduction to Literature	3 credit hours
SCED 105 Life Success	081865 SCED Life Success	3 credit hours
HUMA 101 Introduction to the Humanities	083035 HUMA 101 Introduction to the Humanities	3 credit hours
ART 150 Understanding Art	082975 ART 150 Understanding Art	3 credit hours
MUSI 150 Music Appreciation	088945 MUSI 150 Music Appreciation	3 credit hours
DMED 110 Web Page Development	064130 Web Page Design	3 credit hours
MATH 111 Finite Math for Business & Social Science	024265 MATH 111 Finite Math	4 credit hours
TECH 121 Principles of Engineering	072791/2 Principles of Engineering	3 credit hours

These courses are free of charge for qualifying BHS students.

Your savings if you pass HCC's ENGL 101 & ENGL 102 during your senior year of high school at BHS:				
HCC Course	Number of credit hours	\$153 = cost per credit hour @ HCC	\$11 = cost of fees per credit hour @ HCC	Total cost per course
ENGL 101	3	\$459	\$33	\$492
ENGL 102	3	\$459	\$33	\$492
Totals for 2-semesters	6	\$918	\$66	\$984

BHS DUAL CREDIT COURSES WITH HCC - COURSE DESCRIPTIONS

004055 ENGL 101: Critical Reading & Writing

Prerequisite(s): Junior/Senior standing; Application to Heartland Community College (HCC); Qualifying Accuplacer (placement at college level English) or ACT/SAT score required

In English 101, students will improve their writing by learning about the integrated relationship between critical reading and writing skills. Students will explore how genres of communication shape the acts of reading and writing, and in the process, will learn how to become responsible and ethical readers, writers, and designers of various kinds of texts. Students gain exposure to a wide range of tools and skills available and necessary to 21st century readers and writers, including collaboration techniques, visual design principles, and how to effectively control surface features of their writing. *3 credit hours with HCC*

04065 ENGL 102: Multimodal Composition

Prerequisite(s): -Junior/Senior standing; Application to Heartland Community College (HCC); Qualifying Accuplacer (placement at college level English) or ACT/SAT score required; Completion of HCC's ENGL 101 with a grade of C or better

In English 102, students will put rhetorical principles into useful cultural practice via researching, designing, creating, and sharing multimodal composition projects that contribute to real academic or career purposes and audiences. Conceptual knowledge of genre, textual control, document design, writer responsibility, and collaboration will be applied as student's research academic or career interests. Students will learn and apply both primary and secondary research skills, and will compose projects that successfully employ genre-appropriate reasoning, formats, and structures. *3 credit hours with HCC*

04035 LITR 111: Introduction to Literature

Prerequisite(s): Junior or Senior standing; Application to Heartland Community College (HCC); Qualifying Accuplacer (placement at college level English) or ACT/SAT score required; Completion of or concurrent enrollment in HCC's ENGL 101

This course is a survey of the major literary genres (poetry, short stories, plays, and novels) and involves the reading and discussion of representative works with the aim of providing competence in critical reading and analysis, as well as the knowledge of formal literary characteristics. As part of this analysis, students will situate each work within its historical, social, and cultural context in order to gain a deeper understanding of its place within our world and the place from which they developed. *3 credit hours HCC*

81895 SCED 105: Life Success

Prerequisite(s): Junior or Senior standing; Application to Heartland Community College (HCC)

This course will help students gain awareness of their academic career and personal selves and facilitate development in each of these areas. Focus will be placed on gaining knowledge of each self, identifying areas of strength and those needing improvement and mastering the tools necessary to achieve growth in these life areas. *3 credit hours with HCC*

83035 HUMA 101: Introduction to the Humanities

Prerequisite(s): Junior or Senior standing; Application to Heartland Community College (HCC); Qualifying Accuplacer (placement at college level English) or ACT/SAT score required; Placement at college level English OR Concurrent enrollment in ENGL 099/101

Introduction to the Humanities is the study of social and cultural values as expressed through the major art forms, including painting, sculpture, architecture, literature, drama, music, dance, film, and photography. The course will examine the elements and formal qualities that are characteristic of each art form, the relationships between the arts, and the social and historical contexts from which they developed. *3 credit hours with HCC*

82975 ART 150: Understanding Art

Prerequisite(s): Junior or Senior standing; Application to Heartland Community College (HCC); Qualifying Accuplacer (placement at college level English) or ACT/SAT score required; Placement at college level English OR Concurrent enrollment in ENGL 099/101

ART 150 is designed to provide an understanding of the role of art in our culture and in contemporary life. This course utilizes art works from all cultures and periods to establish basic language of art and the principles of aesthetic organization. Information regarding the artist's tools, materials, exhibition spaces and the art market will be studied to further illustrate the use of art in our world. Not intended for art majors. *3 credit hours with HCC*

88945 MUSI 150: Music Appreciation

Prerequisite(s): Junior or Senior standing; Application to Heartland Community College (HCC); Qualifying Accuplacer (placement at college level English) or ACT/SAT score required; Placement at college level English OR Concurrent enrollment in ENGL 099/101

An introduction to music appreciation and theory for students who do not intend to major in music. This course is designed to provide familiarity with the elements of music and with various musical forms and stylistic periods so the students can actively and perceptively listen to a wide variety of music. The ability to read music is not required for enrollment in MUSI 150. *3 credit hours with HCC*

64130 DMED 110: Web Page Development

Prerequisite(s): Junior or Senior standing; Application to Heartland Community College (HCC)

An introduction to the World Wide Web on the Internet and its uses as a communication tool. The course will cover essential terms and technologies, creating web pages, critiquing Internet content and a review of ethical and legal issues. Basic computer skills will be expected. Course covers HTML5 and CSS coding as well using web design programs to create content. Special attention is paid to creating web content that adheres to web standards. Students learn basics of image manipulation. The course will have a continuing emphasis on successfully communicating through the web, especially considering design and interactivity. *3 credit hours with HCC*

24265 MATH 111: Finite Math for Business and Social Science

Prerequisite(s): Junior or Senior standing; Application to Heartland Community College (HCC); Qualifying Accuplacer (placement at college level English) or ACT/SAT score required; Completion of MATH 106 or MATH 109 with a grade of C or higher OR Placement at MATH 111 or higher AND Completion of MATH 098 with a C OR Placement out of Geometry

AND Placement at ENGL 099/101 or higher OR Concurrent enrollment in ENGL 098

This class focuses on applications of the following topics: matrices, matrix algebra, linear programming, sets and counting techniques, probability, and the mathematics of finance. A graphing calculator is required for this course (instruction will be based on a TI 83+). *4 credit hours with Heartland Community College*

72791-2 TECH 121: Principles of Engineering

Prerequisite(s): Junior or Senior standing; Application to Heartland Community College (HCC)

Course will offer students a unique opportunity to earn dual credit for high school level Project Lead the Way (PLTW) coursework; students must be enrolled in approved high school level PLTW programs in order to qualify for this course. This survey course exposes students to major concepts, including mechanisms, energy, statics, materials, and kinematics. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions. *3 credit hours with HCC*

ENGLISH

Freshman Composition/Grammar Essential Learner Outcomes

Continuing with skills learned in eighth grade, students will explore

- language, including grade-level vocabulary, as a means of improving written communication skills
- simple, compound, and complex sentences and punctuation of each type
- how to select and narrow topics, develop clear thesis statements, and organize ideas to include introductions, support, transitions, and conclusions.
- process writing, which involves prewriting and editing to produce polished final drafts, and
- ways to adapt writing styles for a variety of purposes and audiences.

01031-01032 Freshman Literature and Composition (Year; 1 credit)

Prerequisite: None

One semester is composition and grammar for the student who has average to above average reading and writing skills. It is designed to improve the student's ability to write clearly and effectively. Writing process will be analyzed and practiced. The other semester examines the genres of the short story, drama, classical heritage, and the novel. Spelling, vocabulary, and composition skills will be reinforced. The challenging material is suitable for the student who has average to above average reading and writing skills.

01037-01038 Freshman Literature and Composition Co-Taught (Year, 1 credit)

Prerequisite: Teacher/Counselor recommendation

Co-Teaching is collaboration between educators who share instructional responsibility for developing learners. This course is designed to improve the language arts skills of our developing learners so that they become better thinkers, communicators, writers, readers, and researchers. In addition, we believe that co-teaching provides opportunity to utilize various instructional delivery models and specially designed instruction to meet the needs of all learners.

01011-01012 Honors Freshman Literature and Composition (Year; 1 credit)

Prerequisite: Teacher/Counselor recommendation

One semester is a grammar/composition course for the academically superior student who has advanced reading and writing skills. The student will study grammar and usage extensively as it relates to writing and speaking. Composition assignments will include paragraph development and essay writing. The other semester is a literature program designed for the academically superior student who has advanced reading and writing skills. Classical works in drama, poetry, novel, and short story will be studied with emphasis on literary analysis through discussion and composition. *This course carries the Honors G.P.A. weighting.*

Sophomore Literature/Composition Essential Learner Outcomes

Students will build on reading and writing skills learned in the freshman year, exhibiting a higher level of mastery. They will

- read, interpret, analyze, and evaluate various forms of literature, with the addition of poetry.
- make inferences about selections, including characters' emotions and motives, and will analyze how an author's philosophy and value system affect the meaning of a work.
- will write compositions/essays based on the interpretation of literature, as well as other forms of personal and public writing for a variety of audiences, using phrases and clauses to vary sentence structure and,
- use information processing when producing final drafts.
- recognize what is conveyed by appearance, actions, voice, and words through an understanding of verbal and nonverbal communication
- learn to use appropriate movement, gestures, facial expressions, and eye contact when speaking and will study voice production with emphasis on volume, articulation, and vocal variety
- select appropriate topics and materials for individual and group oral presentations; use research, opinion, and logic in developing presentations for a variety of purposes
- organize ideas using effective introductions, bodies, and conclusions into outline and script formats
- evaluate their own performances and learn to be active, effective audience members by evaluating the performances of others.

02011-02012 Sophomore Literature/Composition (Year; 1 credit)

Prerequisite: Grade 9 English

This year long course is a thematic study involving contemporary issues affecting our society using both fiction and non-fiction texts. Students will work to improve reading comprehension, composition skills, and grammar. In addition, this course aims to develop communication skills for the speaker and listener in both individual and group activities.

02017-02018 Sophomore Literature/Composition Co-Taught (Year, 1 credit)

Prerequisite: Freshman Lit Comp Co Taught or recommendation from Teacher/Counselor

This year long, co-taught course is designed for the student who needs reinforcement in reading and writing skills. The class will emphasize writing as a process and purpose, and students will work on reading fluency to increase speed and comprehension. In addition, students will increase and improve organization and listening skills in the public speaking requirements throughout the year.

02031-02032 Honors Sophomore Literature/Composition (Year; 1 credit)

Prerequisite: Grade 9 English; Teacher/Counselor recommendation

This semester course is designed for the highly motivated, academically superior student with advanced skills in reading and writing. The genres studied will include short stories, poetry, nonfiction, drama, the Arthurian legend, and the novel. Typically, a student who completes this course with an *A* or *B* will be prepared to continue on to take AP Language/Composition as a Junior. Communication skills, involving vocabulary, spelling, and grammar, will be expanded through extensive composition work. A semester project is required. *This course carries the Honors G.P.A. weighting.*

Junior Literature/Composition Essential Learner Outcomes

Students will continue to build on reading, writing, thinking, listening, and speaking skills learned in the freshman and sophomore years, demonstrating a greater level of expertise. They will

- analyze American literature in terms of literary techniques, synthesize various selections, and make inferences that will include mood and tone
- recognize stylistic and thematic qualities from different historical periods and analyze philosophical movements in American literature
- examine nonfictional elements, differentiate personal opinions and assumptions from those of the writers, and support generalizations
- write research papers showing critical analysis of the relationships between authors and their works
- compare and contrast ideas from a variety of sources, verify information, analyze material, and logically support their ideas in the research projects.

03011-03012 Junior Literature/Composition (Year; 1 credit)

Prerequisite: Grade 10 English

This course emphasizes material for the student who has average to above average reading and writing skills through the chronological study of American literature (diary, essay, short story, poetry, novel, drama). Grammar, spelling, vocabulary, and composition work are required with outside reading. A research paper on a literary topic is also required.

003017-003018 Junior Literature/Composition Co-Taught (Year; 1 credit)

Prerequisite: Teacher/Counselor recommendation

This year long, co-taught course is designed for the student who needs reinforcement in reading and writing skills. The class includes a survey of American literature, a variety of writing tasks, oral presentation, and vocabulary development. All of the credits are designed to develop the skills necessary as set forth by the Common Core Learner Standards. Throughout the year, we will read the following works: Twain's *The Adventures of Huckleberry Finn*, Miller's *The Crucible*, Fitzgerald's *The Great Gatsby*, Wilson's *Fences*, and Native American Literature. Special emphasis is placed on developing research skills as a significant portion of second semester is devoted to a completing a major research project.

04051-04052 AP English Language/Composition (Year; 1 credit)*

Prerequisite: Junior standing, A or B in Honors Sophomore Lit/Comp, or Teacher recommendation

In preparation to write argumentative and persuasive essays, the student will study invention and prewriting strategies, as well as drafting, revision, and editing. The student will practice skills in logic, analysis, and evaluation with regard to problem solving and literary analysis. The class will focus on improvement of general writing skills. This course follows the College Board Advanced Placement Syllabus, and the student is strongly encouraged to take the College Board exam in May. *Please see the section at the beginning of this guide concerning AP exams. This course carries the honors/advanced G.P.A. weighting.*

*Students must choose to take AP English Language/Composition OR English Language Composition (ELC 04050). For example, if a student takes AP English Language/Composition in his/her Junior year, he/she cannot continue on to take ELC during his/her Senior year.

Senior English Electives

Students will

- select from reading/literature and writing/composition courses to fulfill the senior level language arts required for graduation from Bloomington High School and the total of 4 credits of English for colleges (4 credits are required for the class of 2009 and beyond for graduation)
- **Seniors should choose both a writing and literature course to complete their English courses of study.**
- Students are advised to check with colleges to determine policies on how the sophomore speech class and the senior electives are treated for admissions requirements.
- These courses continue to build on the skills learned in the freshman, sophomore, and junior years, but require the students to perform at a higher level of proficiency.

Students involved in reading classes will

- analyze and draw information from multiple sources and expand vocabularies
- develop study skills, with emphasis on using reference materials and taking notes from lectures and reading.

Students enrolled in literature courses will

- read, analyze, and interpret American, British or World literature, and be able to explain the philosophical movements and value systems as they apply to the selections.

Students electing writing classes will write research papers using analytical skills and will complete writing projects.

04060 College Literature (Semester; 1/2 credit)

Prerequisite: None

This course will require reading works of literature as a way to develop analytical thinking, reading, and writing skills for the college bound senior. Students can expect to engage in a variety of activities and projects centered on what they are reading. They will explore and analyze the elements of fiction, literary context (authors' biographies, authors' philosophies, literary movements, historical backgrounds), and their own personal reactions. Writing projects will allow students to hone their composition skills.

04050 English Language/Composition (Semester; 1/2 credit)

Prerequisite: Senior standing

The goal of this senior writing class is to prepare each student to complete successfully a university level composition course (English 101) and to acquire competent writing skills for life. In order to accomplish this goal, the class is structured as a writing workshop; students have essays in progress continuously, and class time is spent in supervised peer response, teacher response, individual conferences, whole group lessons on specific writing skill elements, and instruction on critical thinking skills. A multi-stage recursive writing process driven by quarter and semester writing portfolio assessment engages each student to produce rhetorical, opinion essays through prewriting, multiple drafts and revision. The inclusion of an interdisciplinary essay in each portfolio evidences the use of writing skills across the curriculum. Regular impromptu writings develop timed thinking and writing skills. An extended essay of 7-10 pages requires students to master research skills, MLA documentation and format. Reading logs are submitted on a regular basis to develop skill in evaluation research sources and to learn other writers' styles and techniques. Self-assessment of writing and peer evaluation skills help students become independent and competent writers.

Counts as senior writing course.

*Students must choose to take *AP English Language/Composition* OR *English Language Composition (ELC 04050)*. For example, if a student takes *AP English Language/Composition* in his/her Junior year, he/she cannot continue on to take *ELC* during his/her Senior year.

04055 ENGL 101: Critical Reading & Writing (Semester; 1/2 credit) **

Prerequisite(s): Senior standing; Application to Heartland Community College (HCC); Qualifying Accuplacer (placement at college level English) or ACT/SAT score required

In English 101, students will improve their writing by learning about the integrated relationship between critical reading and writing skills. Students will explore how genres of communication shape the acts of reading and writing, and in the process, will learn how to become responsible and ethical readers, writers, and designers of various kinds of texts. Students gain exposure to a wide range of tools and skills available and necessary to 21st century readers and writers, including collaboration techniques, visual design principles, and how to effectively control surface features of their writing. *3 credit hours with Heartland Community College*

04065 ENGL 102 Multimodal Composition (Semester; 1/2 credit)

Prerequisite(s): Junior/Senior standing; Application to Heartland Community College (HCC); Qualifying Accuplacer (placement at college level English) or ACT/SAT score required; Completion of HCC's ENGL 101 with a grade of C or better

In English 102, students will put rhetorical principles into useful cultural practice via researching, designing, creating, and sharing multimodal composition projects that contribute to real academic or career purposes and audiences. Conceptual knowledge of genre, textual control, document design, writer responsibility, and collaboration will be applied as students research academic or career interests. Students will learn and apply both primary and secondary research skills, and will compose projects that successfully employ genre-appropriate reasoning, formats, and structures. *3 credit hours with Heartland Community College*

04035 LITR 111: Introduction to Literature (Semester; 1/2 credit)

Prerequisite(s): Junior/Senior standing; Application to Heartland Community College (HCC); Qualifying Accuplacer (placement at college level English) or ACT/SAT score required; Completion of or concurrent enrollment in HCC's ENGL 101

This course is a survey of the major literary genres (poetry, short stories, plays, and novels) and involves the reading and discussion of representative works with the aim of providing competence in critical reading and analysis, as well as the knowledge of formal literary characteristics. As part of this analysis, students will situate each work within its historical, social, and cultural context in order to gain a deeper understanding of its place within our world and the place from which they developed *3 credit hours with Heartland Community College*

04080 Modern Fiction I (Fall Semester; 1/2 credit)*

Prerequisite: Junior or Senior standing

These courses are designed for the average student who enjoys reading a modern book in a variety of literary types. These titles will come from the following: adolescent literature, adventure, mystery, western, and science fiction/fantasy novels, and contemporary short stories. Grammar study will be done independently to meet the student's needs. Writing will include written analysis of authors' ideas as well as creative projects. ***Counts as senior literature course.**

04061-04062 Senior English Workshop (Year; 1 credit)

Prerequisite: Junior Lit/Comp Co-Taught

This course is designed for students performing below grade level that would benefit from a writing and reading class with a sustained skill improvement focus. Students in this class will most likely enter the workforce or attend Heartland Community College after graduating. Students will be coached through the application process and the goal will be to reach a level of performance that will allow them to place out of the HCC remedial sequence and enter their English track in a course that earns credit hours.

04091-04092 AP English Literature/Composition (Year; 1 credit)*#

Prerequisite: Senior standing, A or B in Honors Junior Lit/Comp, or Teacher Recommendation

This course is designed for students who are interested in earning college credit through the AP program. The course follows the College Board AP syllabus which prepares students for the AP exam in May. Course content includes the study of classic literature from the 19th - 21st century across genres and cultures. Through literary analysis we will examine style and structure, the writer's diction, imagery, use of detail, language and syntax. Students will write about literature extensively as they explore philosophy, psychology, and connections to contemporary life. Outside reading of modern, as well as canon authors, is required. *Please see the section at the beginning of this guide concerning AP exams. This course carries the honors/advanced G.P.A. weighting*

***# Counts as senior writing and literature course.**

*** Counts as senior literature course.**

Additional English Department Electives

- The English department offers several elective programs that afford interested students the opportunity to expand their interests in speaking, writing, and reading.
- Some colleges require four credits of English credit as a condition for admission and exclude some electives from meeting this requirement.
- Students are advised to check with colleges to determine policies on how these courses are treated.

04070 Creative Writing (Semester; 1/2 credit)

Prerequisite: Junior/Senior standing; C or better in Freshman & Sophomore Lit/Comp

This course is designed to meet the needs of the student who seeks an outlet for artistic expression, who possesses interest and talent in composing original fiction, and who is interested in writing for performance and publication. The student will write literary analyses of multi-cultural works of modern fiction writers. The class will utilize a workshop format with peer analysis of original works in progress. Included will be the writing of poetry, short stories, and drama. A quarter portfolio and final semester portfolio must be submitted to earn credit. *This course cannot be used to meet the English graduation requirement.*

05031-5032 Journalism I (Year; 1 credit)

Prerequisite: None

This course provides students a way to learn about how information is produced, published, and how journalism laws guide the ethical distribution of the news. Students will enhance English Language Arts skills and learn how to effectively select from multiple platforms in order to share news stories with readers. Platforms include photo essays, websites, social media apps, traditional news stories, podcasts, and the like. In addition this course will introduce students to the fundamentals of journalism. Emphasis is placed on interviewing, writing, editing, assessing the audience, and meeting deadlines. This course is intended as a practical application of newspaper/newsmagazine news gathering and writing techniques, as well as an analysis of the media. While this course is open to all interested students, those students interested in becoming editors of the online Aegis.

050Y1-050Y2 Journalism II - Yearbook Production (Year; 1 credit)

Prerequisite: Journalism I and/or Teacher approval

Students will collaborate to create and maintain an online journalistic presence that includes written articles, photos, and videos. The class will also create and sell a school yearbook. Students will further their learning and application of journalistic principles and ethics. Students will be required to spend time outside the school day/week covering events for the purpose of completing assignments. *This course cannot be used to meet the English graduation requirement.*

05070 Drama I (Semester; 1/2 credit)

Prerequisite: Teacher/Counselor recommendation

In this course, the student will develop skills in performance, production, and analysis of theater. Course work will include origins of theater, acting, direction, production, and analysis of dramatic literature. Reading, writing, and speaking objectives will be met through the study and practice of dramatic literature. The student will also develop skills in critical and creative thinking. The student will be encouraged, but not required, to assist in the production of the fall play or spring musical. *This course cannot be used to meet the English graduation requirement.*

05080 Drama II (Semester; 1/2 credit)

Prerequisite: Drama I

This course is designed for the student who wishes to formally explore and study drama/theater for the purpose of production. It would also be for the student who wishes to study drama as literature. The course will include acting methodologies, technical elements, and various genres representing historical periods and cultures. The final class project will involve the production of a theatrical performance. *This course cannot be used to meet the English graduation requirement.*

05091-05092 Advanced Actor Studio: (Year, 1 credit)

Prerequisite: Drama I&II or Teacher Recommendation

This advanced course is designed to meet student needs in the following areas: theories of acting, directing, play production, musical theater, playwriting, auditions, and advanced acting techniques. This course is designed as a guide to developing the student as an actor and theatre artist. All students will analyze various scripts, perform scenes/songs and monologues in class, write in various modes, and will participate to their full ability in class activities. Students will be required to participate in one public performance worked on in class per semester.

16001-16002 English as a Second Language I (Year; 1 credit)

Prerequisite: Teacher/Counselor recommendation

The purpose of this course is to help the student with limited English proficiency make the transition to the regular English curriculum. Skill goals will include basic interpersonal communication and reading, writing, speaking and listening as they pertain to the classroom. An English language skills assessment test will be administered to determine individual needs and goals. This course is designed to develop the ESL students' oral language abilities and basic literacy skills. Students develop oral and written competence in understanding and generating simple sentences, questions, and commands. The students develop a strong vocabulary base of nouns, verbs, and adjectives. Additionally, the course introduces students to the phonetic sounds of the English language and basic English grammar.

16011-16012 English as a Second Language II (Year; 1 credit)

Prerequisite: Teacher/Counselor recommendation

ESL II transitions students from social language to academic language skills. Grammatical structures and parts of speech are taught through controlled writing activities. The students become acquainted with basic literary elements common to the study of literature in English. Students read short fictional stories and non-fiction materials. Vocabulary expansion is emphasized in order to help the students become successful with academic language.

16061-16062 English as a Second Language III (Year; 1 credit)

Prerequisite: Teacher/Counselor recommendation

ESL III (Advanced Level ESL) is a transition course from the ESL II English curriculum to mainstream English placement. It is an advanced ESL course with an American literature focus. Interpreting literature and applying critical reading skills are emphasized. The writing activities are relevant to the assigned readings and reinforce grammar and composition skills.

FOREIGN LANGUAGE

Students are advised to read the section at the front of this guide concerning university requirements.

11111-11112 French I (Year; 1 credit)

Prerequisite: None

The purpose of this course is to acquaint the student with a beginning French vocabulary, accurate pronunciation, and the basic principles of French grammar. The course is taught with a holistic approach to the four language skills—reading, writing, listening and speaking—among the three modes of communication—interpretive, interpersonal and presentational. Authentic materials are used as much as possible in practice and assessment.

1121-11122 French II (Year; 1 credit)

Prerequisite: French I

The second year of French reviews and builds on concepts mastered in French I. Vocabulary development increases rapidly. The student learns new grammar concepts and verb tenses. As in French I, the course is taught with a holistic approach to the four language skills—reading, writing, listening and speaking—among the three modes of communication—interpretive, interpersonal and presentational. Authentic materials are used as much as possible in practice and assessment.

11131-11132 French III (Year; 1 credit)

Prerequisite: French II

This course is designed for the above average student who has successfully completed French II and has mastered that material. More advanced grammar concepts are presented in French III, as well as a continuing review of vocabulary and grammar concepts learned in French I and II. Culturally based readings and studies are interwoven throughout the course, providing for growth in vocabulary and further development of writing and conversation skills. Much of the class will be conducted in French. As with French I and II, the course is taught with a holistic approach to the four language skills—reading, writing, listening and speaking—among the three modes of communication—interpretive, interpersonal and presentational. Authentic materials are used as much as possible in practice and assessment.

11161-11162 Honors French IV (Year; 1 credit)

Prerequisite: French III

This course is the foundation for the advanced level course. It provides a thorough review of skills and materials covered in French III. The instruction will focus on mastery of the four basic skills: listening, reading and continued vocabulary development, speaking and increased oral fluency, and writing essays. Other emphases include French culture and civilization. Much of the course will be conducted in French. *This course carries the Honors G.P.A. weighting.*

11151-11152 AP French V (Year; 1 credit)

Prerequisite: Honors French IV

This course will be conducted in French. It is designed for the student who wants the opportunity to prepare for college classes in French. There will be a focus on the grammar concepts, speaking skills, and writing skills that would be needed on the College Board AP exam in the French Language. Students are encouraged to take advantage of the opportunity to take the AP test in May. The integral focus of language study at this level will come from a variety of readings in French culture, in French history, and from literature of the French speaking world. *Please see the section at the beginning of this guide concerning AP exams. This course carries the honors/advanced G.P.A. weighting*

15111-15112 Spanish I (Year; 1 credit)

Prerequisite: None

The purpose of this course is to acquaint the student with a beginning Spanish vocabulary, accurate pronunciation, and the basic principles of Spanish grammar. The course is taught with a holistic approach to the four language skills—reading, writing, listening and speaking—among the three modes of communication—interpretive, interpersonal and presentational. Authentic materials are used as much as possible in practice and assessment.

15121-15122 Spanish II (Year; 1 credit)

Prerequisite: Spanish I or appropriate score on the placement exam

Based on the fundamentals mastered in Spanish I, this course builds listening, speaking, reading, and writing skills. Expansion of the student's active vocabulary is an important part of the class. As in Spanish I, the course is taught with a holistic approach to the four language skills—reading, writing, listening and speaking—among the three modes of communication—interpretive, interpersonal and presentational. Authentic materials are used as much as possible in practice and assessment.

15131-15132 Spanish III (Year; 1 credit)

Prerequisite: Spanish II or appropriate score on the placement exam

This course is designed for the above average student who has successfully completed Spanish II and has mastered that material. This advanced course provides a review of grammar rules and structures and then introduces the exceptions and variables of those rules. The subjunctive, future, conditional, and several compound tenses are introduced. As with Spanish I and II, the course is taught with a holistic approach to the four language skills—reading, writing, listening and speaking—among the three modes of communication—interpretive, interpersonal and presentational. Authentic materials are used as much as possible in practice and assessment.

15161-15162 Honors Spanish IV (Year; 1 credit)

Prerequisite: Spanish III

This course is designed for the student who wants more than the minimum foreign language requirement. It will be taught as the course preparing the student for success in the Advanced Placement Spanish V class offered the following year. The student will complete two semester projects in Spanish, a research project and a portfolio. Proficiency-oriented instruction will focus on the four basic language skills of reading, writing, listening, and speaking in the target language at an advanced level. This will facilitate transition into college courses. *This course carries the honors/advanced G.P.A. weighting.*

15191-15192 AP Spanish V (Year; 1 credit)

Prerequisite: Honors Spanish IV

This course is designed for the student who desires the opportunity to pursue college-level studies in Spanish and the option to receive college credit for this study. This course follows the College Board Advanced Placement Syllabus in Spanish Language, and students are strongly encouraged to take the College Board exam in May. *Please see the section at the beginning of this guide concerning AP exams. This course carries the honors/advanced G.P.A. weighting.*

16021-16022 Bilingual Studies (Year; 1 credit)

Prerequisite: Teacher/Advisor recommendation

This course is for speakers of other languages who are learning study skills through ESL methodologies. The student will receive individual tutoring in applying skills in subjects such as history, social studies, math and science.

15161-15162 Spanish for Heritage Speakers (Year; 1 credit)

Prerequisite: Teacher/Advisor recommendation

This course supports, reinforces, and expands students' knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), this course may move faster than do regular Spanish foreign language courses and emphasize literary development (with a study of literature and composition). This course also includes the culture or history of the people and introduce translation skills. *Counts as a foreign language credit.*

15171-15172 Spanish for Heritage Speakers II (Year; 1 credit)

Prerequisite: Spanish for Heritage Speakers I

This course supports, reinforces, and expands students' knowledge of their own tongue, building on what they learned in Spanish for Heritage Speakers I. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), this course may move faster than do regular Spanish foreign language courses and emphasize literary development (with a study of literature and composition). This course also includes the culture or history of the people and introduces translation skills. *Counts as a foreign language credit.*

MATHEMATICS

All courses in the Mathematics Department at Bloomington High School have been aligned with the Illinois State Learning Standards.

21277-21278 Algebra Co-Taught (Year; 1 credit)

Prerequisite: Teacher/Counselor recommendation, year-long, 2 hr. block

This course is designed for 9th graders and will serve as a transition from their 8th grade math course into Algebra. The focus of this course will be on skills needed for Algebra and their application through problem solving, technology and hands-on activities. It is the intent of this course to encourage a respect for math and its practical applications as well as preparing students for success in Geometry. *Calculators are required - either Scientific or Graphing.*

21241-21242 Algebra I (Year; 1 credit)

Prerequisite: Teacher, counselor recommendation

Algebra I is a rigorous preparation for advanced mathematics, stressing both structure and development of problem-solving skills. It is designed for all students. Students develop mastery of the real number system and the language and symbolism of algebra. Learning to work with equations, inequalities, polynomials, functions, graphing with special emphasis on problem-solving techniques, using of clear examples, abundant exercises, and consistent review make Algebra I both practical and vital for all students. *Calculators are required. TI-83 plus or TI-84 graphing calculators are recommended. TI-89 calculators are not allowed in this course.*

21257-21258 Geometry Co-Taught (Year, 1 credit)

Prerequisite: Algebra I with teacher recommendation, OR successful completion of Algebra Co-Taught, 2 hr. block

This course is designed for students who successfully completed Algebra Co Taught. All topics in Geometry are included. There is an emphasis on problem-solving, applications, and hands-on activities. Required materials: scientific calculator, ruler, compass, and protractor.

21251-21252 Geometry (Year; 1 credit)

Prerequisite: Successful completion of Algebra I or Algebra Co-Taught

This course includes plane, spatial, transformational, and coordinate geometries. It emphasizes logical thinking and applies algebraic concepts to geometric figures. Topics covered include angles, lines, planes, triangles (including special properties of congruent, similar and right), circles, areas, solids, volume, transformations, and geometry on the Cartesian plane. Geometric constructions are explored and algebra skills are maintained throughout the year. *A compass, ruler and calculator are required. TI-83 plus or TI-84 graphing calculators are recommended. TI-89 calculators are not allowed in this course.*

21261-21262 Honors Geometry (Year: 1 credit)

Prerequisite: Grade of B or higher in Algebra I AND teacher recommendation

This rigorous course includes plane, spatial, transformational, and coordinate geometries. It emphasizes logical thinking and applies algebraic concepts to geometric figures. Topics include types of polygons and 3-D solids, congruent and similar figures, circles, area, volume, transformations, and geometry on the Cartesian plane. Applications of geometry will be explored via required projects and geometric constructions. The pace is rapid and algebra skills will be strengthened while studying geometry deeply and thoroughly. Extra study time is needed for this course. *Calculators are required. TI-83 plus or TI-84 graphing calculators are recommended. TI-89 calculators are not allowed in this course. This course carries the Honors G.P.A. weighting.*

22247-22248 Algebra II Co-Taught (Year; 1 credit)

Prerequisite: Geometry with teacher recommendation OR successful completion of Geometry Co-Taught, 1 hr. block

Algebra II (Co-taught) is designed as a third course in high school mathematics for students who benefit from extra support systems provided by the Special Education department. It covers all topics of a second-year Algebra course with emphasis on functions and their practical applications. An interactive approach helps students increase their knowledge of mathematics, sharpen their problem-solving skills, and raise their overall confidence in their ability to learn. Technology integrated throughout the course helps students interpret real-life data algebraically, numerically, symbolically, and graphically. The course develops students' mathematical literacy and builds a solid foundation for future study in mathematics and meaningful work. Instruction is based on the TI-83/84 graphing calculator.

22241-22242 Algebra II (Year; 1 credit)

Prerequisite: Successful completion of Geometry, Geometry Co-Taught, or Honors Geometry

This second course in algebra contains three quarters of advanced algebra and one quarter of trigonometry. Mastery of Algebra I topics is expected and new topics such as higher degree equations, complex numbers, and logarithms are included. The use of the graphing calculator is essential and enhances the study and understanding of concepts in this course. An introduction to trigonometry includes an emphasis on notation, definitions, use of tables and calculators, and the fundamental identities. Students should allow extra study time in their schedules for this course. *Graphing calculators are required. TI-83 plus or TI-84 graphing calculators are recommended. TI-89 calculators are not allowed in this course.*

22251-22252 Honors Algebra II (Year; 1 credit)

Prerequisite: Geometry with teacher recommendation OR successful completion of Honors Geometry.

This rigorous second course in algebra contains three quarters of advanced algebra and one quarter of trigonometry. Mastery of Algebra I topics is expected and new topics such as higher degree equations, complex numbers, and logarithms are included. Additional topics such as sequences and series are included in Honors Algebra II. The use of the graphing calculator is essential and enhances the study and understanding of concepts in this course. Students should allow extra study time in their schedules for this course. *Graphing calculators are required. TI-83 plus or TI-84 graphing calculators are recommended. TI-89 calculators are not allowed in this course. This course carries the Honors G.P.A. weighting.*

23241-23242 Pre-Calculus (Year; 1 credit)

Prerequisite: Algebra II Co-Taught with teacher recommendation OR successful completion of Algebra II/Trigonometry. Not recommended for students who want to take AP Calculus.

This course focuses on functions (trigonometric and others) and analytic geometry with explorations using the graphing calculator. To master the course, students must demonstrate problem solving abilities with algebra, trigonometry, analytic geometry, discrete mathematics, and functions of real numbers. This course is designed to prepare students for courses in either discrete mathematics or calculus. Technology is an integral component of Pre-Calculus. *Graphing calculators are required: TI-83 plus or TI-84 are recommended. TI-89 calculators are not allowed in this course.*

23251-23252 Honors Pre-Calculus (Year; 1 credit)

Prerequisite: Algebra II with teacher recommendation OR successful completion of Honors Algebra II/Trigonometry. Strongly recommended for students who want to take AP Calculus

Honors Pre-Calculus is a rigorous study of functions and analytic geometry with investigations using the graphing calculator. To master the course, students will need to demonstrate problem solving abilities with algebra, trigonometry, analytic geometry, discrete mathematics, and functions of real numbers. Technology is an integral component of Honors Pre-Calculus. An introduction to calculus is a special feature of this course. *Graphing calculators are required: TI-83 plus or TI-84 are recommended. TI-89 calculators are not allowed in this course. This course carries the Honors G.P.A. weighting.*

23261-23262 Applied Statistics (Year; 1 credit)

Prerequisite: Geometry

Applied Statistics is a non-AP alternative for juniors and seniors who are interested in an introduction to the important topics of statistics. The course emphasizes a data analysis approach, focusing on statistical thinking behind data gathering and interpretation. By engaging in the curricular objectives, students will gain numerical literacy skills, become more discerning consumers of statistics, and direct their focus at what the numbers from surveys, election polls, and medical studies are really saying. Students suited for *Applied Statistics* typically need to see the usefulness and relevance of mathematics in real world contexts. The course relies heavily on the use of available technology for data analysis. *Graphing calculators are required: TI-83 plus or TI-84 are recommended. TI-89 calculators are not allowed in this course.*

24241-24242 AP Statistics and Probability (Year; 1 credit)

Prerequisite: Algebra II or Honors Algebra II/Trigonometry; teacher recommendation

This course, designed for college-bound students, is an introduction to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Successful performance on the AP examination satisfies the typical statistics requirement for college majors such as social science, health sciences, and business. For students who intend to major in mathematics, science, or engineering, the content of AP Statistics is a solid preparation for upper-level calculus-based college statistics. This course follows the College Board Advanced Placement Syllabus and students are encouraged to take the Advanced Placement exam in May. *Please see the section at the beginning of this guide concerning AP exams. Graphing calculators such as a TI-83 Plus, TI-84, or the TI-89 are required. This course carries the honors/advanced G.P.A. weighting.*

24251-24252 AP Calculus AB (Year; 1 credit)

Prerequisite: Pre-Calculus with teacher recommendation OR Honors Pre-Calculus.

This course covers both differential and integral Calculus and is comparable to one and one-half semesters of calculus at the college level. The amount of study time needed will also be comparable to a college level course. Students should plan their schedules accordingly. Study groups are highly recommended throughout this course. This course follows the College Board Advanced Placement Syllabus and students are encouraged to take the Advanced Placement exam in May. *Please see the section at the beginning of this guide concerning AP exams. Graphing calculators are required: TI-89 is recommended. This course carries the honors/advanced G.P.A. weighting.*

24255-24256 AP Calculus BC (Year; 1 credit)

Prerequisite: AP Calculus AB

A review of AP Calculus AB is included in this course. Additional topics include: parametric, polar and vector functions, polynomial approximations and series. The course is intended to be challenging and demanding. Broad concepts and widely applicable methods are emphasized. The focus of the course is neither manipulation nor memorization of an extensive taxonomy of functions, curves, theorems or problem types. Thus, although facility with manipulation and computational competence are important outcomes, they are not the core of this course. It is expected that all students take the AP Calculus BC test in May for college credit. Instruction is based on the TI-89 calculator. *Please see the section at the beginning of this guide concerning AP exams. This course carries the honors/advanced G.P.A. weighting.*

22281-22282 AP Computer Science A (Year; 1 credit)

Prerequisites: Successful completion or concurrent enrollment in Algebra II/Trigonometry, AND one of these three options: Problem Solving with Computer Programming OR AP Computer Science Principles OR teacher recommendation

AP Computer Science A is equivalent to a first-semester, college level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implication of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. Students taking this course are encouraged to take the national College Board exam in May. *Please see the section at the beginning of this guide concerning AP exams. This course carries the honors/advanced G.P.A. weighting.*

22291-22292 AP Computer Science Principles (Year; 1 credit)

Prerequisites: Problem Solving with Computer Programming OR concurrent enrollment in Algebra I with teacher recommendation

The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking vital for success across disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. This course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society and the world. *Please see the section at the beginning of this guide concerning AP exams. This course carries the honors/advanced G.P.A. weighting.*

22261-22262 Problem Solving with Computer Programming (Year: 1 credit)

Prerequisite: None

This course is a study of the fundamentals of computer programming and computer science with a focus on developing problem solving skills. Students will be introduced to several computer languages, their syntax, principles of program design, and debugging strategies. Coursework will include written assignments and tests, computer lab activities, and programming projects. Students who complete this class will be prepared for AP Computer Science and first-year university level programming classes. Students will have the opportunity to work with community mentors in a collaborative environment that supports creativity and information fluency.

24271-24272 Transitional Math (Year; 1 credit)

Prerequisite: Senior standing; Teacher or advisor recommendation

This course follows a Quantitative Literacy and Statistics Math course framework that is designed to prepare and transition students directly into college and career pathways requiring general education college level math competencies in quantitative literacy and statistics. The competencies within each domain include, but are not limited to: numeracy (operation sense, estimation, measurement, quantitative reasoning, basic statistics, and mathematical summaries), application based algebraic topics, and functions and modeling. Upon completion, students should be able to: demonstrate proficiency and understanding in basic numeracy competencies in whole numbers, integers, fractions, and decimals, use estimation and explain/justify estimates, apply quantitative reasoning to solve problems involving quantities or rates, use mathematical summaries of data such as mean, median, and mode, use and apply algebraic reasoning as one of multiple problem-solving tools, and use functions and modeling processes. This course is delivered through authentic application, problem based instruction designed to build mathematical conceptual understanding and critical thinking skills. *Heartland Community College will ensure that any student successfully completing a transitional math course with a C or better is eligible to enroll in the applicable outcome college math course without any further placement test or other prerequisite requirement, provided the enrollment occurs within 18 months of the transitional math course completion as indicated on the high school transcript.*

24265 MATH 111: Finite Math for Business and Social Science (Semester; 1/2 credit)

Prerequisite(s): Junior or Senior standing

Application to Heartland Community College (HCC)

Qualifying Accuplacer (placement at college level English) or ACT/SAT score required

*Completion of MATH 106 or MATH 109 with a grade of C or higher **OR***

Placement at MATH 111 or higher

AND

*Completion of MATH 098 with a C **OR** Placement out of Geometry*

AND

*Placement at ENGL 099/101 or higher **OR** Concurrent enrollment in ENGL 098*

This class focuses on applications of the following topics: matrices, matrix algebra, linear programming, sets and counting techniques, probability, and the mathematics of finance. *A graphing calculator is required for this course. instruction will be based on a TI 83+. 4 credit hours with Heartland Community College*

SCIENCE

Science Essential Learner Outcomes

Students will have a working knowledge of science and social, technological and environmental impact on their lives.

- Students will have a working knowledge of the processes and techniques, methods, equipment, and available technology of science.
- Students will have a working knowledge of the concepts of biological science and its impact on life and work in contemporary society.
- Students will have a working knowledge of the concepts of earth science and its image on life and work in contemporary society.
- Students will have a working knowledge of physical science and its impact on life and work in contemporary society.
- Students will have a working knowledge of some of the concepts of earth science and its image on life and work in contemporary society.

31327-31328 Biology Co-Taught (Year; 1 credit)

Prerequisite: Freshman standing; Teacher/Advisor recommendation

Biology I is an introductory biology laboratory course and is designed for the student with little or no biology background. It is a one-year course intended to increase student awareness of and appreciation for the living world and to create scientific literacy. Biology I is inquiry-based course that studies homeostasis and body systems, photosynthesis, cellular respiration, DNA, transcription, translation, mutations, genetics, evolution, population dynamics, and biodiversity. Laboratory activities will frequently be used to illustrate the concepts to be learned. Individual and group projects will also be assigned to further investigate certain subjects.

32311-32312 Biology I (Year; 1 credit)

Prerequisite: Freshman standing

Biology I is an introductory biology laboratory course and is designed for the student with little or no biology background. It is a one-year course intended to increase student awareness of and appreciation for the living world and to create scientific literacy. Biology I is inquiry-based course that studies homeostasis and body systems, photosynthesis, cellular respiration, DNA, transcription, translation, mutations, genetics, evolution, population dynamics, and biodiversity. Laboratory activities will frequently be used to illustrate the concepts to be learned. Individual and group projects will also be assigned to further investigate certain subjects.

32341-32342 Honors Biology I (Year; 1 credit)

Prerequisite: Freshman standing

Honors Biology is an in-depth and fast-paced approach to biology that uses inquiry-based curriculum to study: homeostasis and body systems, photosynthesis, cellular respiration, DNA, transcription, translation, mutations, genetics, evolution, population dynamics, and biodiversity. It is a one-year course intended to increase student awareness of and appreciation for the living world and to create scientific literacy. Laboratory activities will frequently be used to illustrate the concepts to be learned. Individual and group projects will also be assigned to further investigate certain subjects. The topics and depth of coverage will offer a rigorous and challenging introductory life science course. *This course carries the Honors G.P.A. weighting.*

31317-31318 Introductory Physical Science Co-Taught (Year; 1 credit)

Prerequisite: Sophomore standing; concurrent or prior enrollment in Algebra I

In Introductory Physical Science, students will have an opportunity to become familiar with laboratory equipment and techniques; to observe, collect, and organize information gained from experiments; and to interpret and draw meaningful conclusions from topics in chemistry and physics. IPS should help prepare those who choose to study biology, chemistry, and physics in the future.

31311-31312 Introductory Physical Science (Year; 1 credit)

Prerequisite: Sophomore standing; concurrent or prior enrollment in Algebra I

In Introductory Physical Science, students will have an opportunity to become familiar with laboratory equipment and techniques; to observe, collect, and organize information gained from experiments; and to interpret and draw meaningful conclusions from topics in chemistry and physics. IPS should help prepare those who choose to study biology, chemistry, and physics in the future.

31337-31338 Chemistry Co-Taught (Year; 1 credit)

Prerequisite: Sophomore or Junior standing; Teacher/Advisor recommendation

This is a laboratory-oriented course where students will learn new skills and techniques as they study first year chemistry. They will be introduced to the shorthand of chemistry as they learn to use chemical formulas and equations. Chemical properties will be related to atomic structure as students learn to use the periodic table of the elements. Stoichiometry, qualitative analysis and nuclear chemistry will be introduced.

33311-33312 Chemistry I (Year; 1 credit)

Prerequisite: Geometry or concurrent enrollment or departmental authorization

This is a laboratory-oriented course where students will learn new skills and techniques as they study first year chemistry. They will be introduced to the shorthand of chemistry as they learn to use chemical formulas and equations. Chemical properties will be related to atomic structure as students learn to use the periodic table of the elements. Stoichiometry, qualitative analysis and nuclear chemistry will be introduced.

33331-33332 Honors Chemistry I (Year; 1 credit)

Prerequisite: Honors Biology or Biology I; concurrent enrollment in Algebra II or departmental authorization

This first year laboratory-oriented course is designed to prepare highly motivated students for the second year AP Chemistry course. Topics will be explored through teacher demonstrations, laboratory exercises, and student problem-solving activities. The student will be introduced to the shorthand of chemistry as they learn to use chemical formulas and equations. Chemical properties will be related to atomic structure as students learn to use the periodic table of the elements. Stoichiometry, qualitative analysis, thermodynamics, and nuclear chemistry will be introduced. *This course carries the Honors G.P.A. weighting.*

34311-34312 Physics I (Year; 1 credit)

Prerequisite: Geometry

Physics includes the study of motion, forces, energy, heat, light, electricity and magnetism. Each topic is explored through laboratory exercises, teacher demonstrations and student problem-solving exercises. Physics will help explain the natural world by answering such questions as: Why are astronauts weightless?; At what angle should a cannon be aimed to achieve maximum range?; Why is the sky blue?; and many others. Physics is necessary for any student considering a career in any area of science or engineering. *Scientific calculators are required.*

34331-34332 Honors Physics I (Year; 1 credit)

Prerequisite: Algebra II or concurrent enrollment

This course is for those who anticipate a career in the physical sciences or have a high science interest level. It is basically theoretical in approach and uses a lecture-laboratory procedure to pursue the basic concepts of physics. *Scientific calculators are required. This course carries the Honors G.P.A. weighting.*

34391-34392 AP Physics II (Year; 1 credit)

Prerequisite: Honors Physics or Physics I; and concurrent enrollment in Honors Pre-Calculus or Calculus or departmental authorization

AP Physics is a lab-based, student-centered course for those interested in receiving college credit through the AP program. The course follows the College Board Advanced Placement Syllabus for the AP Physics “C” course, covering *Mechanics* and *Electricity and Magnetism*, and students are encouraged to take the AP exam in May. In general, students interested in medical, engineering, or science related careers take this class. Calculus, Vector methods (multiplication and addition), and algebra are the mathematical foundations of the course. Important mathematical techniques are introduced early in the course and are continuously reinforced as they are applied to topics in the various credits. The course emphasizes problem solving during laboratory work. This is accomplished by using an inquiry approach in which students identify experimental variables, design tests of these variables, and collect, organize and analyze data. Students are expected to keep a lab book that describes each lab activity, organizes data, and draws conclusions based upon interpretation of data. *Please see the section at the beginning of this guide concerning AP exams. This course carries the honors/advanced G.P.A. weighting.*

32351-32352 Biology II / Anatomy and Physiology (Year; 1 credit)

Prerequisite: Junior/Senior standing and completion of Biology I and IPS or Chemistry or departmental authorization.

This course is designed for the average to above average student. This course gives students a good foundation in human anatomy and physiology. Topics covered include the body systems, major physiological interactions, and human diseases. *District Network and Internet Access are required.*

33391-33392 AP Chemistry II (Year; 1 credit)

Prerequisite: Grade of B or better in Chemistry I or Honors Chemistry I; Physics I or Honors Physics I or concurrent enrollment

This laboratory-oriented course explores the concepts normally taught in a collegiate general chemistry course. The laboratory investigations are used to initiate and reinforce concepts in various topics in chemistry. These include acid-base chemistry, thermodynamics, molecular geometry, organic chemistry, electrochemistry, stoichiometry, and kinetics. This course follows the College Board Advanced Placement Syllabus and students are strongly encouraged to take the national College Board exam in May. Please see the section at the beginning of this guide concerning AP exams. Formal study of new concepts end at spring break. Students will prepare for the advanced placement examination from spring break until early May. Students will work on special projects for the remainder of the year. Students planning careers in medicine, engineering, environmental sciences, physics, or chemistry should carefully consider the advantages of this course. Students completing this course have a competitive advantage in the general chemistry college course required in these majors. *Please see the section at the beginning of this guide concerning AP exams. This course carries the honors/advanced G.P.A. weighting.*

32361-32362 Environmental Science (Year; 1 credit)

Prerequisite: Junior/Senior standing and completion of Biology I and IPS or Chemistry, or Physics or departmental authorization.

Students will investigate how current human activities are resulting in harmful environmental impacts and the changes that must be made to attain a sustainable world. This course is designed for the student who has a high interest in these issues. It involves lab work and project work, and is geared for the average or above average student.

32381-32382 AP Environmental Science (Year; 1 credit)

Prerequisite: Junior/Senior standing and completion of Biology I and IPS or Chemistry, or Physics; department recommendation

Topics to be covered are scientific analysis, interdependence of earth's systems, human population dynamics, renewable and non-renewable resources, environmental quality, global changes and their consequences, society and decision-making vs. trade-offs, and environmental choices for the future. The main goal is to educate students about the relative risks associated with the environmental problems and to examine alternative solutions for resolving and/or preventing them. This course follows the College Board Advanced Placement Syllabus, and students are strongly encouraged to take the College Board exam in May. *Please see the section at the beginning of this guide concerning AP exams. This course carries the honors/advanced G.P.A. weighting.*

32391-32392 AP Biology (Year; 1 credit)

Prerequisite: Junior/Senior standing and completion of Biology I and Chemistry or departmental authorization.

This course reflects the 2012 changes to the AP Biology curriculum. The course focuses on helping students develop reasoning skills necessary to engage in scientific inquiry such as designing and conducting controlled experiments, collecting data, analyzing data, applying mathematics, and connecting concepts in and across domains. The course prepares students for the AP Biology Exam in May and is the equivalent of a two-semester college introductory biology course. *Please see the section at the beginning of this guide concerning AP exams. This course carries the honors/advanced G.P.A. weighting.*

SOCIAL SCIENCE

Social Science Essential Learner Outcomes

- Students will understand how human needs are satisfied based on cultural differences (economics, values, religion, life styles, and race).
- Students will understand comparative political systems and the effect these systems have on the global, national, state, and local levels.
- Students will understand comparative economic systems and the effect these systems have on the global, national, state, and local levels.
- Students will understand the relevance of past events.
- Students will understand significant social institutions as exhibited by historical trends, personalities, movements, and technological innovations.

41427-41428 World History Co-Taught (Year; 1 credit)

Prerequisite: None

This course is intended to acquaint students with the major periods of the history of western civilization and the non-western world in a supportive, co-taught structure. Students will benefit from having two certified teachers to support them in their study of World History. From the Renaissance through the rise of nation states, from the Napoleonic Era through the Industrial Revolution, from World Wars I and II through the Cold War, the students will have the opportunity to explore and/or investigate many fascinating people, places, and events.

41431-41432 World History (Year; 1 credit)

Prerequisite: None

This course is intended to acquaint students with the major periods of the history of western civilization and the non-western world. From the Renaissance through the rise of nation states, from the Napoleonic Era through the Industrial Revolution, from World Wars I and II to the present day, the students will have the opportunity to explore and/or investigate many fascinating people, places, and events.

41441-41442 Honors World History (Year; 1 credit)

Prerequisite: Freshman standing and teacher/counselor recommendation

This course is intended for the highly motivated freshman taking an honors and AP schedule during the four years at BHS. The course follows the same chronological outline as World History, moving from Renaissance to Industrial Revolution in the first semester and Imperialism to modern events the second. While the text book is the primary source of information, outside material will be assigned with the intention of drawing parallels between historical forces at work in the past and today's modern world. Students will work at developing their interpretive and analytical skills along with writing skills helping to prepare them for an AP American History class. *This course carries the Honors G.P.A. weighting.*

43437-43438 American History Co-Taught (Year; 1 credit)

Prerequisite: World History or World History Co-Taught; sophomores may take this course with the approval of their World History teacher.

This course will be a basic, comprehensive and chronological survey of twentieth century American history in a supportive, co-taught structure. Students will benefit from having two certified teachers to support them in their study of American history. Topics to be included are: Turn of the Century Urbanization and the Progressive Movement, U.S. Imperialism and World War I, the Roaring Twenties, The Great Depression and the New Deal. Also included are World War II, the Cold War, the Civil Rights Movement, the Vietnam Era, the downfall of American society, the Carter and Ford years.

43411-43412 American History (Year; 1 credit)

Prerequisite: World History; sophomores may take this course with the approval of their World History teacher

This course will be a basic, comprehensive and chronological survey of twentieth century American history. Topics to be included are: Turn of the Century Urbanization and the Progressive Movement, U.S. Imperialism and World War I, the Roaring Twenties, The Great Depression and the New Deal. Also included are World War II, the Cold War, the Civil Rights Movement, the Vietnam Era, the downfall of American society, and the Carter and Ford years.

43491-43492 AP American History (Year; 1 credit)

Prerequisite: World History; concurrent enrollment in either Honors Sophomore or Junior Lit/Comp; Junior standing recommended

This course covers American History with college-level expectations and engagement. The credits of study are chronologically arranged and extend from Colonial America and Puritanism to the present. Students will become familiar with divergent viewpoints concerning critical historical issues through an evaluation of a wide range of documents. In the analysis and exploration of these important issues, an emphasis is placed upon the development of interpretive and critical thinking and writing skills. Course requirements include class discussion following extensive reading and writing assignments. This course follows the College Board Advanced Placement Syllabus and students are strongly encouraged to take the national College Board exam in May. *Please see the section at the beginning of this guide concerning AP exams. This course carries the honors/advanced G.P.A. weighting.*

44417 Government / Civics Co-Taught (Semester; ½ credit)

Prerequisite: American History and Junior or Senior standing

This course is intended to provide extra support for students by having two certified teachers assisting them in their study of U.S. Government. It will deal with the background, operation, and organization of the national, state, and local governments. A study will also be made of state and national constitutions, emphasizing the role of citizens and the duties and responsibilities that go along with that role. Students will be required to pass the U.S. and Illinois Constitution exams in order to receive credit for the class.

44410 Government / Civics (Semester; ½ credit)

Prerequisite: American History; Junior or Senior Standing

This course will deal with the background, organization and operation of the central government of the Credited States. Democracy and dictatorships will be compared. Students will study state and national constitutions and how these impact on their daily lives, and will be required to pass the U.S. and Illinois Constitution exams in order to receive credit for the class.

44415 AP Government / Civics (Semester; ½ credit)

Prerequisite: Junior or Senior Standing

This course will generally parallel the basic concepts covered in *American Government*. These include the constitutional theories forming the basis of the Credited States government; political beliefs and behaviors; political parties, interest groups, and the mass media; the Congress, presidency, bureaucracy, and Federal courts; public policy; and civil rights and civil liberties. In addition, this course will provide the student with an analytical perspective on government and politics that will involve printed material, the internet, and state and local government resources. This course will follow the College Board Advanced Placement syllabus requiring students to complete a variety of reading and writing assignments. Students will be required to pass the U.S. and Illinois Constitution exams in order to receive credit for the class. Students are strongly encouraged to take the national AP U.S. Government and Politics exam in May. *Please see the section at the beginning of this guide concerning AP exams. This course carries the honors/advanced G.P.A. weighting.*

44430 African-American Studies in History (Semester; ½ credit)

Prerequisite: World History and American History; Junior or Senior standing

Black literature in America defines the human experience. Through literary and critical analysis of five historical narratives, we will explore literary works that expose black America from slavery to the Civil Rights Movement. Students will read one book per month, and participate in literature discussion circles, personal reflection essays, textual and quote analysis, chapter maps, and summative paper assessments.

44440 Multicultural Studies (Semester; ½ credit)

Prerequisite: Junior or Senior standing; Sophomores with teacher recommendation

This course will focus on the contributions and perspectives of African Americans, Asian Americans, Hispanic/Latino Americans, Native Americans, and other cultures. Emphasis will be on the impact these individuals have on current conditions and policies that are critical to students' understanding and appreciation of the diverse cultures that play a significant role in the Credited States.

44450 Economics (Semester; ½ credit)

Prerequisite: American History and Junior or Senior Standing

This course emphasizes not only the American economic system, but also the global economy. Specific units will cover microeconomic issues such as the law supply and demand, factors of production, and the business cycle. Macroeconomic issues will include money and banking, monetary and fiscal policy, international trade and comparative economic systems. We will be touching on the history of economic thought as well as current economic issues. A highlight of this course is the economic summit activity which involves extensive research and high level critical thinking in a global economic simulation. This is a challenging and very rewarding class that prepares students for college level economics courses.

This course meets the state consumer education requirement.

81880 Consumer Economics (Semester; ½ credit)

Prerequisite: Sophomore, Junior, or Senior standing

This course is designed to enhance the student's consumer decision-making skills as he prepares to enter college or the world of work. Practical topics such as planning a budget, maintaining a checking account, buying a car, buying insurance, using credit, renting an apartment, buying groceries, and paying taxes will be discussed. Students will learn to utilize consumer information to evaluate products and services available to them in the marketplace. ***This course meets the state consumer education requirement.***

44460 Sociology (Semester; ½ credit)

Prerequisite: World History and American History

This course includes an introduction to the field of sociology with an emphasis placed on human relationships, crime, drugs, alcohol, prejudice, social stratification and sexual mores. Course work will be complemented by a field trip to a correctional center, guest speakers, surveys, role-playing and class discussion.

44470 Psychology (Semester; ½ credit)*

Prerequisite: World History and American History

This course introduces students to the science of psychology. It includes systematic and comprehensive coverage of basic concepts and principles, terminology, important trends in psychology research, and application of this research. Emphasis is placed on principles of sensation, perception, maturation, learning, motivation, emotion, and the physiological basis of behavior.

44481-44482 AP Psychology (Year; 1 credit)*

Prerequisite: World History, American History, and/or concurrently enrolled in American Government

The purpose of this course is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists use in their science and practice. The aim of AP Psychology is to provide the students with a learning experience equivalent to that obtained in an introductory college psychology course. This course will follow the College Board Advance Placement syllabus requiring students to complete a variety of reading and writing assignments. The rigorous course syllabus and college level text both suggest that students who enroll should be highly motivated and intellectually curious. *Please see the section at the beginning of this guide concerning AP exams. This course carries the honors/advanced G.P.A. weighting.*

*Students must choose to take *Psychology* OR *AP Psychology*. For example, if a student takes *Psychology*, he/she cannot continue on to take *AP Psychology*.

HEALTH AND PHYSICAL EDUCATION

51510-51520 Health & Physical Education 9 (Year; 1 credit)

Prerequisite: None

This course includes one semester of physical education and one semester of health education. In physical education, an emphasis is placed on learning the basic components of fitness while maximizing student participation in a variety of activities that promote the learning and health benefits of moderate to vigorous exercise. Students are introduced to a variety of activities in team and individual sports. The activities include general fitness, an introduction to weight training, soccer, basketball, and volleyball. A four-week swimming and water safety credit, which includes CPR (cardiopulmonary resuscitation) instruction, is part of this course.

In Health education, the student studies such topics as mental/emotional health, substance use and abuse, healthy relationships, sexual education, disease prevention, and basic nutrition.

53521/22 PE 10/11/12 Individual (Year; 1 credit)

Prerequisite: PE 9/Health

This course provides students choices that match the individual student to activities geared toward personal interest and ability. All choices will focus on the principles of fitness and work to maximize student participation and effort using a variety of activities. Sports and activities such as golf, tennis, bowling, and a basic introduction to weight training may be included.

53551-53552 Team PE (Year; 1 credit)

Prerequisite: PE 9/Health

This class offers opportunities for students to participate in team sports, such as tennis, flag football, jogging, volleyball, basketball, badminton, and aquatic games. At times, a recreational approach to the activities allows for instruction and individual help for those who need or want it, and yet plenty of opportunity to play is available for those who do not need the instruction and want more playing time. All choices will focus on the principles of fitness and work to maximize student participation and effort using a variety of activities. Some less competitive sports could be played; game play and rule modifications may be used to maximize student participation.

54513-54514 Physical Education 11/12 (Weight Training) (Year; 1 credit)

Prerequisite: Completion of Health and PE 9; Junior/Senior standing; Sophomores may be added based on availability of space and teacher recommendation

This class is an alternative to PE 10/11/12 and introduces students to weight training methods that can be used to develop muscular strength and endurance. This course instructs students in weight room safety and proper lifting techniques. It also incorporates cardiovascular fitness activities, as well as instruction on flexibility and body composition.

54523-54524 Unified PE Peer Mentoring (Year; 1 credit)

Prerequisite: Junior/Senior standing; teacher recommendation

Students opting to work as a peer mentor will work with students with special needs in the Unified PE art course. Peer mentors will participate in PE activities along with their Unified PE peer and help their partner participate in varied PE activities.

BUSINESS AND APPLIED TECHNOLOGY

BUSINESS

061140 Computer Applications (Semester; ½ credit)

Prerequisite: None

This course provides an introduction to applications and skills students will use now and in future careers. The focus of the course will be on Google Applications. The students will learn how to use Google Applications such as Google Docs, Google Sheets, Google Slides, and many more. These applications will be used in high school, but also in the collegiate space and workplace. Students will learn to navigate the Google G Suite Drive, store documents using Google Drive, collaborate with Google Docs, Slides, and Drawings, and collaborate with Google Sheets and Forms.

62130 Introduction to Business (Semester; ½ credit)

Prerequisite: None

This personal financial literacy class is offered through the Business Department and **meets the Illinois State Consumer Education requirement for graduation**. Personal financial literacy addresses how students should plan for their financial security. The class focuses on their banking, credit, auto purchasing, insurance, investing, and budgeting practices. Students are introduced to different economic systems but focus on their role in our American free-enterprise system. The computer lab classroom utilizes several curriculum simulations that reinforce students' consumer decision-making: *EverFi*, *Stock Market Game*, and *ON YOUR OWN* (budgeting and surviving in a new city).

062140 Business Management (Semester; ½ credit)

Prerequisite: Introduction to Business

This course will introduce students to the fundamental management functions including planning, organizing, leading and controlling from multiple perspectives. The course is designed with a skills based approach and focuses on communication (oral, writing, non-verbal and listening), problem solving, teamwork, decision-making, conflict resolution, and critical analysis. Business Management will cover topics such as the environment of business, characteristics of business, managing and management responsibilities, business organization and law, financial management, technology and communication, production and marketing management, and human resources.

61180 Entrepreneurship (Semester; ½ credit)

Prerequisite: None; may be taken 1st or 2nd semester

This class is geared towards developing the student's entrepreneurial spirit. Even if a student does not wish to own their own business, he/she can benefit from this class. In addition to learning how businesses are created and managed, the class provides basic job readiness instruction (job application, resume, interviewing, problem-solving, and work ethics). Students will switch hats from thinking/acting like an employee to understanding why employers operate their businesses to make a profit. The computer lab classroom utilizes a convenience store simulation, *Virtual Business*, to reinforce the lessons learned regarding location, pricing, purchasing, promotion, merchandising, staffing and finance.

61170 Career Exploration (Semester; ½ credit)

Prerequisite: None; Freshman standing; Sophomore standing with advisor recommendation

This course helps students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. This course exposes students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

63121-63122 Accounting I (Year; 1 credit)

Preferred: Sophomore, Junior or Senior standing.

A vital part of every business organization is the accounting system that is used. Accounting is at the core of every business decision and is the heart and soul of a business. As future workers in a business, small business owners, and entrepreneurs, students who understand basic accounting principles can competently manage the financial resources of any company. As citizens, future parents, and investors, these students will be better prepared to make the economic decisions that will impact their communities and to make the financial decisions that will affect their own economic futures. This course will provide a complete coverage of the fundamental elements of double-entry accounting, checkbook reconciliation, managing payroll, and an extensive exposure to using the accounting software that facilitates data entry.

63131-63132 Accounting II and Finance (Year; 1 credit)

Prerequisite: Accounting I or Teacher Approval

This course is designed for students who plan on specializing in accounting and/or business finance and want get an early start on a career in the field of business. The student will learn how to use the computer as a tool to more easily work with advanced accounting and investing. Computer technology will be used for solving advanced accounting problems and for making and keeping track of individual and business finances. Advanced accounting skills including departmentalized accounting and corporate accounting using accounting software will also be covered. In addition, students will learn how individuals and businesses invest money, set up accounting programs to track gains/losses, and use technology to decide which investments are best.

64110 Business Law (Semester; ½ credit)

Prerequisite: Sophomore, Junior, or Senior standing with a "C" in regular or Honors English.

This course consists of information about the origin and development of our laws and our court system, how contracts are made, the law regarding breach of contract and recovery from damages. The curriculum also includes civil and criminal law, and family law. This course will cover consumer protection under warranties and when possible students will be able to participate in a full-day field trip.

64140 Sports & Entertainment Marketing (Semester; ½ credit)

Prerequisite: Sophomore, Junior or Senior Standing and met Illinois Consumer Education requirement

This course introduces students to and helps them refine marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, and the sales or rental of supplies and equipment.

64130 Web Page Design and the Internet (HTML and JavaScript) (Semester; ½ credit)

Prerequisite: Computer Applications

This is a semester course designed to give students an in-depth knowledge of Web page design, Web site construction, and Java programming using HTML, Java, and JavaScript. Students will study Web site design and create original Web sites. Using HTML, Java, and JavaScript, students will create and maintain personal Web sites and assist in creating Web sites for District 87 and other companies. The student will also study the main features of the Internet and how to efficiently access the Internet for quality information. ***This class may be taken as a Dual Credit/Enrollment course with Heartland Community College: DMED 110. 3 credit hours possible. No tuition, textbook fees, or prerequisite test scores required.***

INDUSTRIAL TECHNOLOGY

72731-72732 Graphic Communications (Year; 1 credit)

Prerequisite: None. Computer Applications and/or basic computer knowledge is helpful

This course includes advancement in computer based graphic design and is organized to provide the student with experience in the prepress activities necessary for the completion of printed material. The trend toward non-printed material will be examined by providing experiences in presentation programs and in the use of internet for information as well as home page development. Students will develop skills designing a wide variety of forms, ads, newspapers, newsletters, and logos. Additional activities will include using the internet for research and graphic presentations.

72771-72772 Energy and Power (Year; 1 credit)

Prerequisite: None

This course is designed to provide an introduction to the fields of Energy and Power through technology and engineering concepts. Elements of design including sketching and 3D digital software are used. The students will participate in the construction of several power related projects including a compressed air powered car, control circuits, and alternative energy devices. Math and science concepts and procedures are reinforced with these projects. Electricity will be studied through experiments and projects. The students are required to keep a notebook of class notes as well as complete assignments and projects. The course is intended to show students how their study of math, science, reading and writing are used in today's world.

72781-72782 Introduction to Engineering Design (Year; 1 credit)

Prerequisite: Algebra 1 recommended or taking concurrently. Basic computer knowledge is helpful.

This is a Project Lead the Way course with a focus on Modeling and CAD designed for both male and female students interested in how computer modeling software is used in problem solving. Using a design development process, computer models of product solutions are created, analyzed and communicated using solid modeling computer design software. Toward the end of each credit, a design activity follows.

72791-72792 Principles of Engineering (Year, 1 credit)

Prerequisite: Passing grade in Introduction to Engineering Design; Algebra 1 recommended or taking concurrently. Basic computer knowledge is helpful

This course is a broad based survey course designed to help the student better understand the field of engineering and engineering technology. Students will participate in the design, development, construction, and testing of several projects. Projects will include working with a marble sorter, ballistics launcher, simple machines, bridges, and materials testing. Student learning is enhanced through the use of programming, modeling, static engineering, and materials testing software. Math and science concepts/methods are introduced and reinforced including Calculus as it applies to engineering for students that currently enrolled in Pre-Calculus and/ AP Calculus. The student will also do research projects using the Internet and other resources. Microsoft Office programs such as Word, Excel, and Power Point are also used in this class.

This class may be taken as a Dual Credit/Enrollment course with Heartland Community College: TECH 121. 3 credit hours possible. No tuition, textbook fees, or prerequisite test scores required. Junior or Senior standing required to obtain dual credit.

FAMILY & CONSUMER SCIENCE

81810 Interior Design (Semester; ½ credit)

Prerequisite: None

This course builds a foundation for students to understand basic visual art principles and apply them to real world situations. Students will explore visual art principles such as balance, line, harmony, color theory, and many more cross curricular design concepts. Students will also be able to express themselves creatively while working on course projects. This course will also expose students to the basics of careers such as visual merchandising, retail merchandising, interior design, architecture, retail marketing, and more. Interior Design will also focus on the business side by developing budgeting skills as they design rooms and homes for prospective clients.

81816 Clothing Construction (Semester; ½ credit)

Prerequisite: None

This Introductory course provides students with the opportunity to study basic clothing construction. Students will create a portfolio that includes samples of different sewing techniques. Along with the portfolio students will learn how to read and follow a pattern in constructing a garment. Clothing purchase, care and repair along with the study of different textiles will also be explored to continue with the *Fashion* course.

81820 Foods I (Semester; ½ credit)

Prerequisite: None

This course allows students to develop the skills necessary to plan and prepare nutritious meals and snacks. Experiences in the foods lab will help students learn proper cooking techniques and meal management while working in a group setting. In addition to a study of basic nutrition, special interest credits may examine a variety of topics such as sports nutrition, ethnic cooking, cake decorating, and consumer product testing. The culminating assessment would be the ServSafe exam. This exam, and the certificate it awards when passed, is a requirement for employment in most restaurants and food-service establishments. Normally, when hired, the employee cannot begin working until they have passed the ServSafe exam, and the cost of the exam is taken out of their first paycheck. Passing this exam in Foods 1 gives them a leg-up for employment.

81830 Foods II (Semester; ½ credit)

Prerequisite: Foods I

This course would focus on advanced food preparation techniques. This would include topics such as advanced food preparation skills, advanced baking and pastry techniques, exploration into international foods/cuisines, and a “Designing a Food Truck” project. This course is an extension of Foods I and is built on the basic skills students learn in Foods I. This course continues to allow students to develop the skills necessary to plan and prepare nutritious meals and snacks for future life. The experiences in the food lab will help students learn proper cooking techniques and meal management while working in a group setting. Beyond the basics of nutrition, students will examine a variety of topics such as sports nutrition, ethnic cooking, cake decorating, and consumer product testing.

81840 Child Development (Semester; ½ credit)

Prerequisite: Sophomore standing

This course is the study of physical, cognitive, social and emotional development of children from conception to age three. Parenting decisions and preparations, heredity and genetics, developmental milestones, and childcare basics are explored. Application experiences are provided, including a pre-school that enables students to teach and observe the toddler.

81851 Fashion (Semester; ½ credit)

Prerequisite: Clothing Construction; or teacher recommendation

In this course, students will complete a simple bathroom bag, quilted wall hanging and Community project for the area hospitals. They will research a designer of their choice and interview a store manager about current fashions. Student will also do a recycled garment project. Second quarter the students will select and create two garments along with an accessory. From these items the student will design a store. The project will include designing a store logo, shopping bag, and drawing out the store’s layout. Students must purchase their own supplies, which includes fabric and sewing equipment.

81890 Psychology for Living (Semester; ½ credit)

Prerequisite: Junior or Senior standing

This course will create an atmosphere of frankness and acceptance through thought and discussion on the topics of human relationships. It is the study of the interaction between self and others in the environment including family, friends, employees, co-workers, roommates, marriage partners and children.

81895 SCED 105: Life Success

Prerequisite: Junior or Senior standing; Application to Heartland Community College (HCC)

This course will help students gain awareness of their academic career and personal selves and facilitate development in each of these areas. Focus will be placed on gaining knowledge of each self, identifying areas of strength and those needing improvement and mastering the tools necessary to achieve growth in these life areas. *3 credit hours with Heartland Community College*

FINE ARTS DEPARTMENT

ARTS

82911-82912 Art I (Year; 1 credit)

Prerequisite: None

This class is a basic fundamental of Art class. Through the study of drawing and design students will develop their abilities to understand and express visual art. Many techniques and media are explored through structured 2-dimensional and 3-dimensional projects.

82921-82922 Art II (Year; 1 credit)

Prerequisite: Art I

This class is a second level course for advanced art students who have completed Art I. The first semester will focus on drawing skills, concepts, art history, and criticism. The second semester will focus on painting skills, concepts, art history, and criticism.

82910 Digital Art (Semester; ½ credit)

Prerequisite: None

Students will explore the creative process of art in the digital age. Emphasis will be placed on digital imagery ethics and copyright, image composition, technical skills, and creative expression. Units of study will include contemporary digital arts such as stop motion animation, social media advertising, poster design, website design, web 2.0 applications, comic art, and digital storytelling. Students will use readily available applications.

82930 Ceramics (Semester; ½ credit)

Prerequisite: None

Students will explore clay and its properties to create 3-dimensional art forms. Students will create functional as well as decorative forms works. Emphasis will be placed on vocabulary, construction techniques and craftsmanship as well as creative expression.

82940 Sculpture (Semester; ½ credit)

Prerequisite: None

Students will create sculptures using a variety of media for carving, construction, casting, and/or modeling. Emphasis will be placed on construction techniques and craftsmanship as well as creative expression.

82950 Printmaking and Design (Semester; ½ credit)

Prerequisite: Junior or Senior standing; Sophomores with teacher recommendation and/or one year of BHS Art credit

This art course offers a combination of technological design skills and practical art making. Course content will focus on the preparation of artwork (digitally and manually) for the production of silkscreen printing and the creation of functional products such as posters, stickers, T-shirts and other commercial products created through the screen-printing process.

82975 ART 150 Understanding Art (Semester, ½ credit)

Prerequisite: Junior/Senior Standing

This course is designed to provide an understanding of the role of art in our culture and in contemporary life. Art works from all cultures and periods will be utilized to establish basic language of art and the principles of aesthetic organization. Information regarding the artist's tools, materials, exhibition spaces and the art market will be studied to further illustrate the use of art in our world.*

**This class may be taken as a Dual Credit/Enrollment course with Heartland Community College: ART 150. 3 credit hours possible. Accuplacer OR ACT/SAT required.*

82980 Photography I (Semester; ½ credit)

Prerequisite: Junior/Senior standing

Students will explore digital photography and camera properties to create photographs. Students will create photographs using a digital camera with manual functions. Emphasis will be placed on vocabulary, manual settings, camera functions, image composition, photographic history, and creative expression. (Digital camera with manual settings encouraged, but not mandatory.) *Students are expected to take Photography II.*

82990 Photography II (Semester; ½ credit)

Prerequisite: Photography I; Junior/Senior standing

Students will explore digital photography concepts to create original photographs. Students will create photographs using a digital camera with manual functions. Emphasis will be placed using the medium of photography to convey meaning. (Digital camera with manual settings encouraged, but not mandatory.)

83011-83012 Advanced Art Studio I (Year; 1 credit)

Prerequisite: Art II and department recommendation

Through teacher supervision, students will develop a customized program of study specifically geared to their personal art interests and long-term plans. Through curating group exhibits with peers, students will explore more advanced concepts of visual organization and expression. In addition to developing skills and mastering technique, students will develop an understanding of "artistic voice" and concept.

83021-83022 Advanced Art Studio II (Year; 1 credit)

Prerequisite: Advanced Art Studio I and department recommendation

Through teacher supervision, eligible students will develop responsibility for their own process of creative development and individual initiative in a studio environment. While exploring more advanced concepts of visual organization and expression, studio students will create and compile a portfolio of their own artwork and exhibit it in a public space. The Advanced Art Studio II helps prepare the student for an art related career as well as for personal artistic growth and reflection.

82991-82992 AP Studio Art (Year; 1 credit)

Prerequisite: Art II and department recommendation

Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions. The portfolios they may submit are 2-D Art & Design, 3-D Art & Design, and/or Drawing. *Please see the section at the beginning of this guide concerning AP exams. This course carries the honors/advanced G.P.A. weighting.*

83031-83032 Unified Art Peer Mentoring (Year; 1 credit)

Prerequisite: Junior/Senior standing; teacher recommendation

Students opting to work as a peer mentor will work with students with special needs in the unified art course. Peer mentors will engage in art activities and help their mentees participate in art making.

83035 HUMA 101: Introduction to the Humanities (Semester; ½ credit)

Prerequisite(s): Junior or Senior standing

Application to Heartland Community College (HCC)

Qualifying Accuplacer (placement at college level English) or ACT/SAT score required

Placement at college level English OR

Concurrent enrollment in ENGL 099/101

Introduction to the Humanities is the study of social and cultural values as expressed through the major art forms, including painting, sculpture, architecture, literature, drama, music, dance, film, and photography. The course will examine the elements and formal qualities that are characteristic of each art form, the relationships between the arts, and the social and historical contexts from which they developed. *3 credit hours with Heartland Community College*

MUSIC

86911-86912 Band (Year; 1 credit)

Prerequisite: BJHS Band classes with passing grade or audition

The band is a marching ensemble much of the first nine weeks of each year appearing at football games, competitions, festivals and civic parades. It is a concert group the remainder of each year studying and performing a wide diversity of musical styles. The band may be divided according to abilities as the year progresses.

87911-87912 Concert Orchestra (Year, 1 credit)

Prerequisite: BJHS Orchestra with passing grade or audition

The concert orchestra will focus on fundamental and intermediate skills and techniques necessary following junior high orchestra, and will perform a wide variety of appropriately leveled repertoire. The concert orchestra meets as a string orchestra for the full year. The concert orchestra performs concerts, appears in festivals, and enters contests as determined by the teacher.

88011-88012 Chamber Orchestra (Year; 1 credit)

Prerequisite: BJHS Orchestra with passing grade and recommendation by BHS Orchestra teacher

The chamber orchestra will focus on advanced skills and techniques, and will perform a wide variety of challenging repertoire. The chamber orchestra meets primarily as a string orchestra and occasionally as a symphonic orchestra. The chamber orchestra performs concerts, appears in festivals, and enters contests as determined by the teacher.

88911-88912 Concert Choir (Year; 1 credit)

Prerequisite: Recommendation of BJHS Choral Director or audition with BHS Choir Director

This is the beginning chorus where the fundamentals of choral singing are introduced. The students learn a variety of music and musical styles and perform at selected concerts throughout the school year, both as a separate ensemble and as choir combined with the other school choruses. These selected seasonal concerts are required as part of the curriculum.

88931-88932 A Cappella Choir (Year; 1 credit)

Prerequisite: Recommendation of BHS Choir Director & audition

This is the most advanced vocal ensemble in the school's curriculum, covering the widest range of musical genres from many cultures. This musical ensemble attends and performs at various festivals and contests throughout the school year; the ensemble will perform in seasonal concerts at the school as a part of the curriculum.

88921-88922 Treble Choir (Year; 1 credit)

Prerequisite: Enrollment by audition or BHS Choir Director recommendation only

This is a more advanced ensemble focusing on a wider range of music and giving special attention to the further development of the female voice. This ensemble performs at choral concerts throughout the school year that are required as a part of the curriculum.

88941-88942 AP Music Theory (Year; 1 credit)

Prerequisites: Junior or Senior standing, recommendation of ensemble director or private instructor, concurrent enrollment in BHS Band, Orchestra or Choir, and consent of the instructor.

This course is designed for students intending to major/minor in music education, music performance, music business or music therapy. The course is intended to cover the materials in the first two semesters of 100-level collegiate music theory, including scales, intervals, chords, modes, structure, rhythm, form, notation and compositional trends, and the historical rationale for each. Students will be able to use included composition projects and arrangements in a music portfolio that can aid in college application, and be applied towards collegiate music course credit. The end of the year includes participation in the AP-Music Theory examination. *Please see the section at the beginning of this guide concerning AP exams. This course carries the honors/advanced G.P.A. weighting.*

88945 MUSI 150: Music Appreciation (Semester; ½ credit)

Prerequisite(s): Junior or Senior standing; Application to Heartland Community College (HCC); Qualifying Accuplacer (placement at college level English) or ACT/SAT score required; Placement at college level English OR Concurrent enrollment in ENGL 099/101

An introduction to music appreciation and theory for students who do not intend to major in music. This course is designed to provide familiarity with the elements of music and with various musical forms and stylistic periods so the students can actively and perceptively listen to a wide variety of music. The ability to read music is not required for enrollment in MUSI 150. *3 credit hours with Heartland Community College*

88951-88952 Unified Music Peer Mentoring (Year; 1 credit)

Prerequisite: Junior/Senior standing; teacher recommendation

Students opting to work as a peer mentor will work with students with special needs in the unified music course. Peer mentors will engage in music activities and help their mentees participate in music.

SPECIAL EDUCATION

Special Education courses are offered for those students who have been identified and declared eligible for services through the I.E.P. process. *Courses within this department are treated as basic level courses for GPA calculations.*

91001-91002 Project Success (Year; 1 credit)

Prerequisite: Placement through the I.E.P. process

This program is designed to aid identified students in fulfilling regular classroom requirements. Improving academic achievement through study skills enhancement and encouraging personal responsibility are goals of this course. Additionally, maintaining open lines of communication between school and home is emphasized.

91005-91006 Project Success/Learning Lab (Year; 1 credit)

Prerequisite: Placement through the I.E.P. process

This program is designed to aid identified students in fulfilling regular classroom requirements three days per week. Improving academic achievement through study skills enhancement and encouraging personal responsibility are goals of this course.

Two days per week students will complete assignments and computer programs to enhance academic skills in a computer lab setting. Additionally, maintaining open lines of communication between school and home is emphasized.

91011-91012 English I (Year; 1 credit)

Prerequisite: Placement through the I.E.P. process

This Freshman level course is designed to help students develop basic language-related study skills that are necessary for success in school. Emphasis is placed on oral and written language skills that will be used in everyday situations. Some work is done on functional reading skills.

91021-91022 English II (Year; 1 credit)

Prerequisite: English I

First semester basic reading skills will be reviewed with emphasis on vocabulary development and comprehension. Reading selections will be presented through use of media such as newspapers, magazines, and television. Second semester emphasizes basics for speech and functional communication. It aims to develop communication skills for the listener as well as the speaker in both individual and group activities.

91031-91032 English III (Year; 1 credit)

Prerequisite: English II / Placement through the I.E.P. process

This course is designed to improve reading and writing skills. Students learn and apply literary terms in relation to assigned readings. Emphasis is placed upon reading comprehension and response analysis. Writing interventions are implemented as students work from proper sentence structure, paragraph structure, and 5 paragraph essays to the comprehensive research paper.

91041-91042 English IV (Year; 1 credit)

Prerequisite: English III/ Placement through the I.E.P. process

This course is designed to increase reading, writing and critical thinking skills. Students continue utilizing the application of literary terms to assigned readings. Writing interventions are implemented in correlation to writing assignments. Writing assignments include: analysis of readings, critical response to readings, an understanding of cause and effect, communicating opinions and thoughts utilizing readings as support.

91051-91052 Reading Improvement (Year; 1 credit)

Prerequisite: Placement through the I.E.P. process

This course is designed for students with low reading scores who would like to improve their reading skills. Individual students will receive instruction to improve their reading vocabularies and comprehension skills. Direct instruction as well as a variety of supplemental materials will be utilized.

91240-91241 Math Concepts (Year; 1 credit)

Prerequisite: Placement through the I.E.P. process

This course is designed to build and further develop number sense and computation of whole numbers, fractions, decimals and percent. Students will engage in problem solving activities emphasizing skills and vocabulary needed as a basis for understanding Algebraic concepts.

91242-91243 Pre-Algebra (Year; 1 credit)

Prerequisite: Placement through the I.E.P. process

This course includes basic concepts in math and basic algebra. Whole numbers, fractions, decimals, integers, rational numbers, solving equations, ratios, proportion, graphing and problem solving are among the topics covered.

91244-91245 Instructional Algebra (Year; 1 credit)

Prerequisite: Placement through the I.E.P. process, Students likely would have completed the Special Ed Pre Algebra course before taking this class.

This course will include many of the same concepts of the regular education Algebra 1 class, but using a textbook written an easier reading level. Topics covered will include: Integers, Variables, Properties, Equations (multi-step, 2 variable substitution, elimination), Exponents, Factoring, Coordinate plane, Graphs, charts and tables.

91246-91247 Instructional Geometry (Year; 1 credit)

Prerequisite: Placement through the I.E.P. process

This course is for students who completed Instructional Algebra or for students with an IEP that were unsuccessful in Algebra X. Most topics in Geometry X are covered. There is an emphasis on problem solving, applications and hands on activities. Students will use a scientific calculator, protractor, compass and ruler in the course.

91311-91312 Basic Physical Science (Year; 1 credit)

Prerequisite: Sophomore standing

This science course involves the study of physical science. Through observation and related activities, the student learns the basics of physics and chemistry. Credits will include chemical reactions, motion, light, sound, electricity, and magnetism. This course relates fundamental physical science to the world in which we live to help students better understand their physical world.

91321-91322 Life Science (Year; 1 credit)

Prerequisite: Freshmen course, Placement through the I.E.P. Process

This science course involves the study of life science and how it relates to the ever-changing environment. Through observation and related activities, the student learns about various aspects of life science including plant life, animal life, and human biology.

91331-91332 Earth Science (Year; 1 credit)

Prerequisite: Sophomore, Junior or Senior standing

Earth Science is designed to give students a firsthand look at the forces that shape today's planet. They also have a chance to look beyond the planet to examine some of the forces that have shaped the universe and solar system. Through participation in a wide variety of activities, learning opportunities, and discussions the students become more aware of the changing planet.

91420 Geography/American Government (Semester; ½ credit)

Prerequisite: Junior or Senior standing

This course is divided into two credits of study: American Government and Credited States geography. The American Government credit involves the federal, state, and local governments. The federal and state constitution exams as well as the American flag exam are offered. The geography credit involves basic instruction in map usage including political, and travel maps. Student will become familiar with U.S. geography and will identify states and capitals.

91421-91422 World History (Year; 1 credit)

Placement through the I.E.P. Process, freshman course

The students will receive a survey of significant cultural and historical events occurring in world history of western civilization and the non-western world. In addition, the course will develop a sound foundation in world geography, including political and global awareness. Geographic literacy is a necessary skill in this rapidly changing and expanding world Community. Geographic skills include map-work, location of cities, major rivers, capitals, and countries. This course is for students with below average reading ability.

91431-91432 American History (Year; 1 credit)

Prerequisite: Sophomore standing

This course is arranged in chronological credits from Early America to the 20th century. Significant topics from the 18th and 19th centuries will be covered to understand how people and events have shaped the present and will continue to affect the future. The first semester focuses on the history through the Civil War, while the second semester deals with the period from the Reconstruction to the present.

91510 Health A (Semester; ½ credit)

Prerequisite: Placement through the I.E.P. process

In this course, students explore multiple areas of health education. These areas include mental health, physical health, and safety, diseases of the mind and body, substance use and abuse, Community and environmental health issues. Students will relate health education issues presented in class with their own lives as well as current events.

91621-91622 Consumer Education I & II (Year; 1 credit)

Prerequisite: Sophomore standing

This course provides students with a working knowledge of how economics affects their lives as consumers. Much of the information presented is taken from sources familiar to the student--newspapers, television, radio, consumer magazines, field trips and guest speakers. Students engage in problem-solving activities involving basic economic principles, consumer rights and responsibilities, contract law, buying practices, housing and money management. Second semester, students complete a federal income tax form, calculate wages and earnings, write checks, reconcile bank statements and understand insurance.

91641-91642 Instructional Computer Applications 1 & 2 (Year; 1 credit)

Prerequisite: None; this course is designed for the special needs student

The purpose of this course is to provide special needs students with the opportunity to learn the "touch" method of keyboarding on modern electronic office equipment. Emphasis is placed on developing good technique for personal and vocational use, rather than speed. The students will learn to operate a keyboard with good techniques, to strike the keys using the "touch" method, to operate microcomputers, and to learn simple formatting. Introductory word processing functions will be taught. See note above concerning pass-fail option. *This class is treated as a basic level course for GPA calculations.*

91651-91652 Unified Art (Year; 1 credit)

Prerequisite: Placement through the I.E.P. process

The unified art course is geared for students in the special education program and provides an individualized art curriculum to fit the needs of each student. Students in this course will have the opportunity to work with a peer mentor to develop their work in many different media.

91531-91532 Unified PE (Year; 1 credit)

Prerequisite: Placement through the I.E.P. process

The Unified PE course is geared to students in the special education program and provides an individualized, adapted PE curriculum to fit the needs of each student. Students in this course will have the opportunity to work with a peer mentor to develop their participation in many different PE activities.

91661-91662 Unified Music (Year; 1 credit)

Prerequisite: Placement through the I.E.P. process

The unified music course is geared for students in the special education program and provides an individualized music curriculum to fit the needs of each student. Students in this course will have the opportunity to work with a peer mentor to create music in an engaging environment.

91717-91718 Pre-Vocational Work Experience E (Year; 1 credit)

Prerequisite: Freshman or Sophomore standing

This class will provide general information about the "World of Work". It is designed for students who are not yet ready to enter the work force, but would still like to have some basic knowledge about being employed. Topics that will be explored include personal interests and values, learning styles, skills and aptitudes, and personalities as they relate to career choices. Each of the 15 Career Clusters will be researched and discussed followed by information about gathering job leads, organizing a job search, applying for a job, and keeping a job once you are hired. Other relative topics that will be covered in this course include goal setting, money management, staying healthy, and the importance of building relationships and teamwork.

91711-91712, 91721-91722 Work Experience I & II (Year; 2 credits)

Prerequisite: Junior, Senior standing

Students explore reasons for working and determine their own interests, skills, aptitudes, and abilities. They focus on personal values and career choices. Finding a job, the job application process, interview skills, getting along with co-workers, keeping a job, and making job changes are discussed. In addition, practical information in terms of independent living skills is taught. The student spends a portion of his day at school and is employed during the remainder of the day.

92011-92012 English E 9-10 (Year; 1 credit)

Prerequisite: Placement through the I.E.P. process

This freshman/sophomore level course is designed to help students improve skills in spelling, vocabulary, oral reading, reading comprehension, grammar, and writing. Writing skills include paragraph writing (via journals), simple notes to others, and application forms. Phonics is taught to increase reading and spelling skills. Introduction to classics from literature is provided as well as dictionary use and alphabetizing skills. Emphasis in all areas is on practical, functional applications for independent living.

92021-92022 Practical Writing (Year; 1 credit)

Prerequisite: Placement through IEP process

This course is designed for freshman and sophomore special education students emphasizing writing skills. The course will include work on punctuation, capitalization, sentence structure, and paragraph composition skills. Use of planner will also be offered as well as journaling and functional writing (thank you notes, friendly/business letters, application forms, etc...)

92031-92032 English E 11-12 (Year; 1 credit)

Prerequisite: English E 9-10

This course is an extension of the work begun in English E 9-10 with an expansion of all areas stated in E 9-10. During the second year, emphasis includes the post-school needs of the students and the student's role in the world of work and society as it pertains to reading, writing, spelling, and vocabulary.

92311-92312 Basic Physical Science E (Year; 1 credit)

Prerequisite: sophomore course, Placement through the I.E.P. process

This sophomore course an introduction to the physical sciences. Through observation and the carrying out of activities, the student learns about matter in motion, electricity, light, sound and the chemical make-up of matter. In order to assist students to better understand their physical world, fundamentals of physical are related to the world in which we live.

92331-92332 Life Science E (Year; 1 credit)

Prerequisite: Freshmen course, Placement through the I.E.P process

This science course involves the study of living things. This includes the study of plants, animals, human biology, and ecology. Students are provided with a variety of instructional activities and are able to utilize multiple learning styles to understand these concepts.

92351-92352 Earth Science E (Year; 1 credit)

Prerequisite: Junior or Senior standing

Earth Science is designed to give students a firsthand look at the forces that have shaped planet Earth and how those forces are still affecting our planet. Students will also learn about the solar system and the universe, where our planet fits into these systems, how and why it has changed over time, and what is needed to protect the environment through better use of its resources and recycling. Through participation in a variety of activities, learning opportunities, and discussions the students become more aware of the planet earth, how it changes, and their responsibility to protect it.

92431-92432 American History - Government E (Year; 1 credit)

Prerequisite: Junior or Senior standing

This history course includes the discovery of the new world to the present day. From colonial days to independence, through westward expansion and solving the questions of slavery to industrialization, the students will explore their American History. This study sets the stage for entry of the Credited States into the 21st century as leader in technology, human rights and peace. Federal, state, and local government systems are studied, including the U.S. and Illinois Constitutions.

92510 Health E (Semester; ½ credit)

Prerequisite: Placement through the I.E.P. process

This Freshman/Sophomore level course is designed to explore basic health principles and issues including the following areas: personal hygiene, safety and first aid, nutrition, substance use and abuse, and knowledge of the systems of the body including the reproductive system.

92611-92612 Home Life E I/II (Year; 1 credit)

Prerequisite: Placement through the I.E.P. process, freshman, sophomore course

This course teaches basic management skills helping students function and prosper as responsible teens in their independent, post-secondary lives. Skills covered involve building self-esteem, making healthy decisions, using refusal skills, respecting culture and ethnic differences, building teamwork, making wise consumer choices, and managing stress. A lab in the kitchen reinforces skills taught in the classroom on proper nutrition, meal planning, preparation and cleanup, as well as clothing care.

92613-92614 Home Life E III/IV (Year; 1 credit)

Prerequisite: Placement through the I.E.P. process; Junior/Senior course

This course continues to teach basic management skills helping students prosper as functional responsible teens in their independent, post-secondary lives. Topics taught are: child development, parenting, budgeting, home maintenance and cooking. Vocational self-awareness is also discussed through the completion of interest surveys, career exploration, sources of employment, and job seeking skills.

92631-92632 Consumer Education E I & II (Year; 1 credit)

Prerequisite: Sophomore or Junior standing (Not offered in 2009-2010)

This class is designed to acquaint the student with the economic principles of daily living so that he/she can perform the economic roles of worker, consumer and citizen. Instruction is given so students become better consumers. Topics include savings vs. spending, grocery shopping, general shopping, clothing care, telephone usage, restaurant usage, reading schedules and charts, money management, checking account skills, budgeting, housing, concerns, and simple tax preparation.

92711-92712 Work Experience E I (Year; 1 credit)

92721-92722 Work Experience E II (Year; 1 credit)

Prerequisite: Junior standing

Students explore reasons for working and the effects of work on lifestyle. They engage in discovery of their own interests, skills and aptitudes. They focus on personal career choices. They look at positive interview behaviors. Job retention skills are emphasized with a focus on personal development as a key to success. Students will receive instruction on the first days of working, safety, getting along with employers and co-workers, and situations that affect jobs. In addition, practical information in terms of independent living skills are taught. The student attends school on a partial day and is employed during the remaining part of the day.

93801-93847 DLP (Dynamic Learning Program)

Prerequisite: I.E.P. Eligibility

This program is designed for special population students who require a functional Community based curriculum. Students practice basic skills in independent functioning, Community functioning, employment skills, and social skills. Individual programming is based on the student's Individual Educational Plan.

SCHOOL AND COMMUNITY SERVICE

95665-95666 Peer Tutoring (Year; 1 credit)

Prerequisite: Junior or Senior standing; submit application and interview

This course is offered to individuals seeking a career or teaching experience in education. Peer tutors will work directly with special education students in academic and life skills areas. Peer tutors will have the opportunity to work individually with students and in small groups, implementing teacher created instructional programs. In addition, peer tutors will be expected to complete a variety of teaching and planning activities. Peer tutors will work under close supervision of the classroom teacher

BLOOMINGTON AREA CAREER CENTER

Learning a marketable technical skill and gaining work experience can help students acquire entry-level jobs after graduation or prepare for further training through Community colleges, technical schools, four-year colleges and universities, and apprenticeships. The following courses are planned at the Bloomington Area Career Center. All BACC classes require at least two periods each day and are intended for Sophomores, Juniors and Seniors. Full program descriptions and additional course offerings are available through the BACC catalog or the BACC website (www.bloomingtonacc.org).

An application must be completed to enroll in courses offered through the Bloomington Area Career Center.

Criteria for acceptance:

Students must have Sophomore, Junior or Senior status (6 or more credits for Sophomores, 12 or more credits for Juniors & Seniors)

Good attendance (9 or fewer absences in the prior semester)

Meet the prerequisites for the class

GPA of 2.5 or better

Students who have failed core curricular courses may not be accepted until the courses are made up.

Automotive Technology I (Year; 2 credits)

Available to: Juniors and Seniors

This course is designed to prepare students for an entry-level job or advanced training in the automotive service and diesel technology field. Students will develop skills in the design, theory, function, and diagnostic procedures of gasoline and diesel engines. In addition, all aspects of the vehicle will be covered, including safety, basic maintenance, braking systems, engine repair, suspension and steering, electrical/electronic, which include modern computer controls and emissions systems. Students will perform automotive service work with an emphasis on shop operating safety procedures.

Automotive Technology II (Year; 2 credits)

Prerequisite: Successful Completion of Automotive Technology I

Students will enhance the skills learned in Automotive Technology I as well as develop new skills. Students will learn to use advanced tools and equipment through hands-on experience with the latest technology in the automotive industry. Specific topics that will be covered in depth include safety, basic maintenance, braking systems, engine repair, suspension and steering, electrical/electronic, which include modern computer controls and emissions systems. The students will perform automotive service work with an emphasis on real world shop operating scenarios using teacher and community vehicles.

Barbering I & II (Year; 2 credits)

Available to: Sophomores, Juniors, and Seniors

There are tremendous opportunities for a great career in the barbering industry. As a barber, you'll devote your talents to making others look and feel their best. You'll keep up with current trends through practice, instructor demonstrations, and working on mannequins. The barbering industry offers many options for personal growth and many career paths to choose from. Students attend Hairmasters which is a Pivot Point Legacy School. While attending, students demonstrate competencies in several of the classroom modules needed for the required Illinois State Board Exam. All students will focus on one module in the first year and another module in the second year. Classes will also attend the Midwest Beauty Show in Chicago, IL where they are able to network with over 50,000 barbering and cosmetology industry professionals. **Module One** will consist of the basic skills in men's and women's haircutting and styling. Students will practice these skills until they have mastered them based upon industry standards. **Module Two** will consist of furthering skills in men's and women's haircutting and styling as well as adding skills in perming, relaxing, and coloring services. Students then practice these skills until they have mastered them based upon industry standards. All hours accumulated during the student's time at BACC Hairmasters Barbering are credited towards the completion of the 1,500 hour course and licensure.

Computer Technology & Networking I (Year; 2 credits)

Available to: Sophomores, Juniors, Seniors

The Computer Technology & Networking course is designed to equip both the novice and experienced students with entry-level computer technician proficiencies. Students will work closely with the instructor, an educational technology department, and local technology businesses to better their understanding of the material covered in class. The course will help students become adept with customer support techniques and key computer hardware architecture components, such as: the motherboard, processor, memory, drives, networks, power supplies, and peripheral devices for both desktop and laptop computers. Additionally, students will install, configure, and troubleshoot the significant operating systems utilized today. Significant lab time is provided to offer the student authentic hands-on experiences in working with computers. The goal is to prepare these students to take the COMPTIA A+ Certification (starting point for a career in IT) and have them available to assist schools' technology departments in a variety of manners. In addition to hardware curriculum, the class will also be working on basic networking knowledge and skills; connecting to a network, connecting to the internet through an ISP, network addressing, network services, wireless technologies, basic security, and troubleshooting your network.

This class is Dual Credit with Heartland Community College, Computer Science 101, 4 credits, Networking 151, 3 credits, and Networking 160, 3 Credits.

Computer Technology & Networking II (Year; 2 credits)

Prerequisite: *Successful Completion of Computer Technology & Networking I*

This course builds on the skills introduced in Computer Technology & Networking I. Students learn how to connect and install multiple computers and peripherals together to create a computer network. Students build, configure, and maintain network servers along with installing and configuring various network operating systems such as Novell, Windows, and Linux. Students learn to use troubleshooting services, system monitoring utilities, and data backup and recovery systems. Other topics include learning how to connect various network components such as servers, computers, and printers together using data cabling, hubs, and switches. Students learn to run, terminate, and troubleshoot data cabling. In addition, students learn how to install and upgrade software across the network, as well as map drives and share resources such as printers, software, and files. The course includes setting up and configuring various network services such as TCP/IP, DHCP, DNS, VPN, terminal services, e-mail, and web services. Students learn how to secure and protect network servers and data as well as setting up and configuring a firewall, intrusion detection system, and encryption software for identifying and preventing potential network attacks.

This class is Dual Credit with Heartland Community College, Networking 150, 3 Credits, Networking 166, 3 Credits, and Networking 167, 3 Credits.

Computer Technology & Networking III (Year; 2 credits)

Prerequisite: *Successful Completion of Computer Technology & Networking I and II*

This course builds on the skills introduced in Computer Technology & Networking I and II. Internships will be a part of this course along with independent study in the students' area of interest. Cybersecurity is currently the main focus of this course through an online lab simulation application.

Construction I (Year; 2 credits)

Available to: Sophomores, Juniors, Seniors

This course provides an opportunity for students who are planning on entering a post-secondary educational program in construction or entering into the workforce at entry level. The focus of the class is the construction by the students of a residential home, with emphasis on foundations, framing, exterior and interior finish and roofing. Students will develop workplace skills in basic math, hand and power tools, basic blueprint reading, safe work habits, proper job attitudes, technical jargon and learn about the wide variety of opportunities in the field of construction.

OSHA 10-hour safety certification and CertainTeed Master Shingle Applicator Certification

This class is dual credit with Heartland Community College, Construction 101, 3 credit hours.

Construction II (Year; 2 credits)

Prerequisite: *Successful Completion of Construction I*

This course provides an opportunity for students who are planning to enter a postsecondary educational program in construction or enter into the workforce at entry level. Students will enhance workplace skills in blueprint reading, mechanical systems, electrical wiring, and construction estimating and scheduling, while developing leadership roles.

Cosmetology I, II, & III (Year; 2 credits)

Available to: Sophomores, Juniors, Seniors

Do you want to learn how to braid, style, and perm long and short hair? Then this is the program for you! Students attend Hairmasters, which is a Pivot Point Legacy School. While attending, students demonstrate competencies in two of the five classroom modules needed for the required Illinois State Board Exam. All students will focus on one module in the first year and another module in the second year. Classes will also attend the Midwest Beauty Show in Chicago, where they are able to network with over 50,000 hair, skin, and nail professionals. **Module One** will consist of styling hair in the wet and dry state. Training on manikins will develop an understanding of the shape of the head. Observation will be made of different ways of styling long and short hair. These methods may include braiding, curling, straightening, up and down styles, and many more. Students then practice these methods until they have mastered these techniques based upon industry standards. **Module Two** will consist of understanding the texture of the hair. This will include adding and removing texture to hair, as well as multicultural texture reformation. Observation will be made of different ways of perming using different chemicals and rod styles, and relaxing hair using different chemical relaxers. Students then practice these methods until they have mastered these techniques based upon industry standards. All hours accumulated during the student's time at BACC Hairmasters Cosmetology are credited towards the completion of the 1,500-hour course and licensure.

First and second year students may also attend extra hours on Saturday and attend night school to complete their certification early with the approval of their instructor. The Bloomington Area Career Center will pay for one night school class and may pay for some Saturday hours.

This program pathway can be completed at Hairmasters where they will prepare you to take the Illinois State mandated exam.

Criminal Justice & Law Enforcement I (Year; 2 credits)

Available to: Sophomores, Juniors, Seniors

This program is designed to acquaint students with the various aspects of the criminal justice system, including the structure of law enforcement; procedures of criminal law; the court system; corrections; and juvenile justice. Students will first learn the basics of the criminal justice system and become familiar with criminal law and how it applies to individual rights. United States Supreme Court landmark cases will be examined to have a better understanding of their importance in today's role in our criminal justice system. Students will also hear from experts who will expand their knowledge about the multitude of career opportunities within the criminal justice field. Students will take part in field trips to various locations within the criminal justice specialty areas to see and learn about their daily operations. Students will also take part in various hands-on activities similar to the duties of a police officer, as well as explore aspects of various roles within the police departments, including exploration in forensic science, evidence processing, and steps to properly process a crime scene.

Criminal Justice & Law Enforcement II (Year; 2 credits)

Prerequisite: Successful Completion of Criminal Justice & Law Enforcement I

During this phase of the program, students will have the opportunity to explore more concise and detailed operations of the criminal justice field. Students will participate in various job-shadowing opportunities and off-site visits to select venues to gain a better understanding of specialties and characteristics within the criminal justice field. Independent study units will be used to allow a more advanced insight, as students will research and analyze actual police cases to examine findings and submit recommendations. Students will also have the opportunity to take on leadership and mentoring roles to first-year students and utilize their first-year experiences to assist in guiding students toward a successful year.

Culinary Arts I (Year; 2 credits)

Available to: Juniors and Seniors

This course provides students considering a career in culinary arts and the food service industry with classroom instruction and lab experiences to develop job-related competencies. Students start with basic sanitation and workplace safety, and then continue with instruction on food handling, preparation, quantity production, quality control, planning, operation, and presentation. Commercial quality food service equipment will be used to prepare food and provide hands-on instruction for each area of food study. Students will have the opportunity to earn the Foodservice Food Handler Certification.

This class is Dual Credit with Joliet Junior College: CA 106, 2 credits. Through this Dual Credit course, students will have the opportunity to earn the ServSafe Food Handler and Servsafe Food Production Manager Certification through ServSafe, which is endorsed by the National Restaurant Association.

Culinary Arts II (Year; 2 credits)

Prerequisite: Successful Completion of Culinary Arts I

This course provides students with leadership opportunities and responsibility for food service management. Students in this class have the opportunity to cater many different events. Students have the opportunity to plan menus, select food, supervise food preparation, develop pricing strategies, order food, and maintain safety and sanitation, while mastering operation of all food preparation equipment. Students develop skills that will prepare them for postsecondary education and employment opportunities.

EMT (EMERGENCY MEDICAL TECHNICIAN)-BASIC (Year; 2 credits)

Available to: Seniors

This course will introduce the care and handling of the critically ill and injured. Emphasis is on the development of skills in assessment of illnesses and the application of proper emergency care procedures. This course will meet federal and state guidelines for basic EMT training. Students who successfully complete this course will be able to sit for the Illinois State or National Registry EMT-Basic licensure exam after turning 18 years of age and graduating from high school.

This class is Dual Credit with Heartland Community College, EMT 101, 8 credits.

Fire Science I (Year; 2 credits)

Available to: Juniors, Seniors

This program allows students to explore and prepare for a possible career in Fire Service and as an Emergency Medical Responder (EMR). Professional Firefighters teach the course. Students will gain lab experience on-site at Bloomington and Normal Fire Stations and will learn technical and manipulative skills. Those skills include, but are not limited to, the following areas of study: fire behavior, safety, self-contained breathing apparatus, turnout gear use, portable fire extinguishers, ladders and ladder use, fire hose and appliances, building construction, forcible entry, ventilation, water supply, nozzles and fire streams, rescue, fire control, and ropes and knots. The students will be offered the opportunity to participate in Skills USA, a competition of other fire science students in Illinois. Students must be in good physical condition to enroll in the course, as training will include climbing stairs and crawling with additional equipment and supplies.

This program is Dual Credit with Illinois Central College: Fire Science 110, 3 credits & Fire Science 113, 3 credits.

Graphic Design & Video Production I (Year; 2 credits)

Available to: Sophomores, Juniors, Seniors

Do you want to know how to turn your ideas into digital graphics? Have a skill at conceptualizing advertising graphics and want to turn them into usable pieces? Well here is a class for you. Students in this course will develop skills used by digital media graphic designers, desktop publishers, and other members of the multimedia/communications industry.

Students will be using industry standard software packages, such as: Photoshop, Illustrator, Final Cut Pro X, and more. Students will be introduced to drawing techniques, digital photography, page assembly, multimedia production and print technologies, as well as vinyl printing. Students will also utilize the steps necessary to mass produce digital media designs. If you are considering a career in graphic arts, this is the class for you!

This class is Dual Credit with Heartland Community College, Digital Media 101, 3 credits. Students have the opportunity to become Adobe certified in Illustrator CC and Photoshop CC.

Graphic Design & Video Production II (Year; 2 credits)

Prerequisite: Successful Completion of Graphic Design & Video Production I

Students in this class will receive intensive study in advanced digital media design. Students will have the opportunity to establish a leadership role within the print shop, and partner with outside resources to create projects for distribution. This class is recommended for students who are considering a career in the industry as well as preparing for post-secondary education. **This class is Dual Credit with Heartland Community College, Digital Media 120, 3 credits.**

Graphic Design & Video Production III (Year; 2 credits)

Prerequisite: Successful Completion of Graphic Design & Video Production I and II

Curriculum will be based on student interest, market trends, and business demands. Internships will also be a primary part of the coursework.

Health Careers and Medical Terminology (Year; 2 credits)

Available to: Sophomores, Juniors, Seniors

Health Careers and Medical Terminology is a one-year program offered to sophomore, junior and senior students interested in pursuing a career in the medical field or in public safety. Students will learn basic human anatomy and physiology, a solid foundation in medical terminology, and injury/disease processes. Students will have many opportunities for hands-on training and skills development. It will provide a clear understanding of the first aid process in an emergency situation. The course will include field trips to local hospitals to see the skills firsthand with the potential for job shadowing. The course will explore many medical career options such as Physical and Occupational Therapy, Radiology, Dental Assistant, Nursing, Sports Medicine, X-Ray Technician, as well as Physician specialties. It will give students an up-close look at employment opportunities and educational pathways.

This class is Dual Credit with Heartland Community College, Health 110, 3 credits.

Nurse Assistant (Year; 2 credits)

Available to: Juniors, Seniors

Are you contemplating a career in health care? Well, this is the class for you! The opportunities are unlimited for trained professionals in the healthcare field. Upon successful completion of this course, students are eligible to take the state competency exam to become certified nursing assistants (CNAs). Classroom instruction includes certification in Basic Life Support/CPR and fundamental healthcare principles. Some of these healthcare principles include infection control, safety, patient confidentiality, measuring vital signs, bathing and grooming techniques, nutrition, and transferring residents. Students will participate in hands-on care of residents in long-term care facilities as part of the clinical requirements. Attendance is essential due to the number of state-mandated hours that are required. This class is recommended for students planning for post-secondary education or career attainment. Excellent attendance and communication skills are necessary.

This class is Dual Credit with Heartland Community College, Nursing 110, 8 credits.

Advanced CAN (Year; 2 credits)

Prerequisite: Completion of Nurse Assistant program, CNA certification, and approval from Nurse Assisting instructors

Are you interested in getting hands-on experience in local hospitals, clinics, and medical offices? The Advanced CNA program is an internship program in which students gain learning experiences in local health care facilities. Students will benefit from speakers within the industry, enhance their technical skills, and develop workplace readiness. Students who have completed the BACC Nurse Assistant program have an opportunity to apply for the Advanced CNA program. The top 15 students are chosen based on their clinical skills, grades, attendance, professionalism, communication skills, and leadership qualities. Participating internship sites include, but are not limited to: Carle Bromenn Medical Center, OSF St. Joseph Medical Center, Center for Wound Healing and Hyperbaric Medicine, and Illinois Cancer Care.

This class is recommended for students planning for post-secondary education or career attainment.

Robotics & Engineering (Year; 2 credits)

Available to: Sophomores, Juniors, Seniors

Students enrolled in this course will demonstrate the knowledge and skills necessary for robotic and engineering industries. Through implementation of the design process, students will apply concepts learned in physical science and physics classes to mechanical devices. Students will develop skills in mechanical design (CAD), and construction as they work in teams to build simple and complex robotic devices. They will build prototypes or use simulation software to test their designs. Additionally, students will explore career opportunities, employer expectations, and educational needs in the engineering fields.

Satellite Campus

Welding I (Year; 2 credits)

Available to: Juniors, Seniors

Location: Heartland Community College and Tri-Valley High School

This course is designed for students with an interest in the field of manufacturing, which includes machining, sheet metal, computerized machines, and welding. Classroom instruction will include workplace safety, blueprint reading, applied math, training of hand and power tools, and instruction on proper procedures of laboratory equipment. Specialized laboratory learning experiences include planning, manufacturing, assembling, and metal fabricating process. Students may work towards the American Welding Society (AWS) certification in Shielded Metal Arc Welding (SMAW). Students will develop skills necessary to continue with post-secondary education or obtain an entry-level position in the manufacturing occupations. Students will also benefit from the business partnership with Caterpillar.

This class is Dual Credit with Heartland Community College, Welding 110, 3 credits.

Welding II (Year; 2 credits)

Program held at Heartland Community College and Tri-Valley High School

Prerequisite: Successful Completion of Welding I

Students enrolled in this course will enhance their opportunities for obtaining employment in manufacturing. Students will specialize in an area of interest while mastering blueprint reading, applied math, training of hand and power tools, and instruction on proper procedures of laboratory equipment. Students will also increase the amount of lab experience in the area of Computer Numerical Control (CNC) by using a lathe and vertical mill. Students experience 95% hands-on activities during the second year and may work towards the American Welding Society (AWS) certification in the Shielded Metal Arc Welding (SMAW). Students will also benefit from the business partnership with Caterpillar.

This class is Dual Credit with Heartland Community College, Manufacturing 115 and Welding 116, 3 credits each.

****Dual Credit is subject to change at the discretion of the community college.****

SkillsUSA

SkillsUSA is a nationally recognized organization that helps high school and college students enhance traits and skills that will help them succeed in the workforce. Members participate in local chapter meetings to develop leadership, teamwork, citizenship, character, and self-confidence as they attend classes to learn career and technical skills. State and National level competitions allow students to display the leadership and occupational skills they have learned throughout the year, and students are assessed by industry-driven standards. SkillsUSA provides access to postsecondary scholarships and training to prepare workers for a lifetime of success in and out of the workplace. Any student enrolled in a BACC program is eligible to participate in SkillsUSA.