

Denison High School Registration Handbook



2023-2024

Once a Monarch, Always a Monarch!

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Welcome Letter
(revised February, 2023)

Students and Parents,

This registration booklet has been prepared to assist you in planning your academic and vocational future. Each teacher has written a description for his/her class to aid you as you choose your educational path. It is recommended that you use the information in this booklet as but one source available to you in choosing your courses. Counselors and teachers can also provide valuable information which you need to make appropriate selections.

Because this high school offers courses designed for a wide range of abilities, it is easy for some students to make selections which do not challenge their capabilities. We encourage the selection of courses that will challenge students and prepare them for their future.

Our goal will be to provide an atmosphere for learning which is void of sexist, racist, and ethnic prejudices, discrimination, and separatism. No student shall be denied enrollment in a class because of race, culture, sex, or developmental disability.

It is also the policy of this district that the curriculum content and instructional materials utilized reflect the cultural and racial diversity present in the United States and the variety of careers, roles, and lifestyles open to all.

In a few days, the planning and registration for next year's schedule will begin. It is imperative that you plan carefully, and that you make appropriate choices. It will be very difficult for you to change or drop classes once school begins in the fall.

Our registration materials have been published to aid you. We hope that you will find this booklet to be informative and useful. If you have any ideas which would make this handbook better, please call us.

You may also access the registration handbook at the district website, www.denison.k12.ia.us.

Sincerely,

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Denison Community High School
Typical Four Year Plan of Study - 46 Credits Required for Graduation

	9th Grade	10th Grade	11th Grade	12th Grade
Language Arts 8 required credits -2 English 9 -1 Speech -2 English 10 -2 AH Literature -1 Senior English Elective *or equivalent to these classes	English 9 Speech	English 10	AH Literature	Advanced Composition or Workplace Communications or College English (2 credits)
Social Studies 6 required credits -1 Global Studies -1 Western Civ I or Western Civ II -2 AH US History -1 American Government -1 Personal Finance-Career Readiness or Economics *or equivalent to these classes	Global Studies Personal Finance-Career Readiness	Western Civ I or Western Civ II Personal Finance-Career Readiness	AH US History Personal Finance-Career Readiness	American Government Economics or Personal Finance-Career Readiness
P.E. 2 required credits -1/2 Lifetime Wellness or PE/Music -1 PE 10/11 -1/2 PE 12 *or equivalent to these classes	Lifetime Wellness or PE/Music Fresh	PE 10/11 or PE/Music - Soph or Weight Training or Fitness Extreme	PE 10/11 (unless 3-sport athlete) or Weight Training or Fitness Extreme	PE 12 (unless 3-sport athlete) or Weight Training or Fitness Extreme
Science 6 required credits -2 Integrated Science -2 Biology or Honors Biology -2 Science Electives *or equivalent to these classes	Integrated Science	Biology or Honors Biology	Field Biology Chemistry Physics Anatomy & Physiology	Field Biology Chemistry Physics Anatomy & Physiology Advanced Chemistry
Mathematics 6 required credits *or equivalent to these classes	Algebra I or Pre-Algebra Geometry Honors Geometry	Geometry or Algebra I Algebra II Honors Geometry	Algebra II or Applied Math Applied Algebra Geometry Math Analysis Probability & Statistics	Math Analysis or Applied Math Applied Algebra Geometry Algebra II Precalculus Calculus I Probability & Statistics
Health 1 credit *or equivalent to these classes	Lifetime Wellness	Health	Health	Health

College Articulation

Articulation takes place when a community college and high school mutually agree on the content and standards of classes taught at both schools. If the local high school and college have an articulation agreement, it enables students to either transfer to the community college and receive college credit for the classes involved in the articulation agreement or, in some cases, students will receive advanced standing which means students won't receive the actual college credit, but they do not need to repeat the same course at the college level. For example, if a computer keyboarding class is part of the articulation agreement between the high school and the community college, the student taking this class in high school would not need to take the same course again in college. This student would move on (advance) to the next level of college course.

After graduation from high school, students need to check with their high school counselor and high school instructors so the necessary forms are sent with their high school transcript for them to gain college credit or receive advanced standing.

Concurrent / Dual Credit Classes

Denison High School students have the opportunity to enroll in several dual credit classes through Western Iowa Tech Community College. Dual credit classes include the same curriculum and materials that the college uses. A student will receive both Denison High School credit towards graduation and college credit through Western Iowa Technical Community College. The tuition for the college credit is paid by the Denison Community School District.

Dual Credit Classes Through Western Iowa Tech Community College

It is the responsibility of the student to verify that any dual credit course transfers to their future college and/or educational program.

<u>DHS Course</u>	<u>WITCC Course</u>	<u>WITCC Credits</u>
**In Person Classes - College Program Specific Courses		
Heating Fund/Electrical Theory	HCR 112 Heating Fundamentals	3
	ELE 112 Basic Electrical Theory	3
Fund. of Refrigeration/Heat Pumps	HCR 305 Fundamentals of Refrigeration	3
	HCR 140 Heat Pumps	3
Auto Body	CRR 102 Sheet Metal Welding	3
	CRR 811 Surface Preparation	4
	CRR 323 Sheet Metal Fund.	3
Advanced Auto Body	CRR 411 Interior Body Construction	3
	CRR 403 Exterior Body Construction	3
	CRR 202 Plastics Repair	3
Welding	WEL 423 Intro to GMAW	2
Welding II	WEL 147 ARC Welding Intro	3
Welding III	WEL 148 ARC Welding Intermediate	3
Information Computing	CSC 116 Information Computing	3
Intro to Criminal Justice	CRJ 100 Intro to Criminal Justice	3
Ethics in Criminal Justice	CRJ 101 Ethics in Criminal Justice	3
1st Aide/1st Responder	EMS 114 Emergency Medical Responder	2
Medical Terminology	HSC 114 Medical Terminology	3
Workplace Communications	COM 723 Workplace Communications	3
Applied Math	MAT 772 Applied Math	3
Foundations of Education	EDU 210 Foundations of Education	3
Human Relations Classroom Teacher	EDU 220 Human Relations Classroom Teacher	3

Dual Credit Classes Through Western Iowa Tech Community College

It is the responsibility of the student to verify that any dual credit course transfers to their future college and/or educational program.

****Online Classes - College Program Specific Courses**

Educational Psychology	EDU 240 Education Psychology	3
Technology in the Classroom	EDU 255 Technology in the Classroom	3
Intro to Health Occupations	HSC 109 Health Careers & Teams	3
Nurse Aide & Nurse Aide Clinical	HSC 173 Nurse Aide HSC 174 Nurse Aide Clinical	3 1
Essentials of Anatomy & Physiology	BIO 163 Essentials of Anatomy & Physiology	4
Human Anatomy & Physiology I	BIO 169 Human Anatomy & Physiology I	4
Nutrition	BIO 151 Nutrition	3
Survey of Animal Industry	AGS 113 Survey of Animal Industry	3
Animal Nutrition	AGS 319 Animal Nutrition	3
Beef Cattle Science	AGS 226 Beef Cattle Science	3
Farm Business Management	AGB 330 Farm Business Management	3
Principles of Agronomy	AGA 114 Principles of Agronomy	3
Intro Agricultural Markets	AGB 235 Intro to Agricultural Markets	3
Prin. of Management	MGT 101 Principles of Management	3
Principles of Selling	MKT 140 Principles of Selling	3
Intro to Keyboarding/ Office Calculators	ADM 105 Introduction to Keyboarding ADM 131 Office Calculators	1 1
Office Procedures	ADM 162 Office Procedures	3
Intro to Accounting	ACC 111 Intro to Accounting	3

Dual Credit Classes Through Western Iowa Tech Community College

It is the responsibility of the student to verify that any dual credit course transfers to their future college and/or educational program.

****In Person Classes - General Education Courses**

College English	ENG 105 Composition I	3
	ENG 106 Composition II	3
	LIT 101 Intro to Literature	3
Calculus I	MAT 211 Calculus I	5
College Psychology	PSY 111 Intro to Psychology	3

****Online Classes - General Education Courses**

College Algebra	MAT 121 College Algebra	3
Statistics	MAT 156 Statistics	3
Intro to Sociology	SOC 110 Introduction to Sociology	3
Art Appreciation	ART 101 Art Appreciation	3
Music Appreciation	MUS 100 Music Appreciation	3
Public Speaking	SPC 112 Public Speaking	3
U.S. History to 1877	HIS 151 U.S. History to 1877	3
U.S. History Since 1877	HIS 152 U.S. History Since 1877	3
West Civ: Early Mod/Pres	HIS 111 Western Civ: Early Mod to Pres	3
World Regional Geography	GEO 121 World Regional Geography	3
Intro to Ethics	PHI 105 Intro to Ethics	3

**Other online courses are available. Please meet with your counselor to discuss the options.

Career Academy Pathways

<p>Air Conditioning, Heating & Refrigeration Diploma</p> <p>Offered In Person at WIT HCR 112 Heating Fundamentals ELE 112 Basic Electrical Theory HCR 305 Fundamentals of Refrigeration HCR 140 Heat Pumps</p> <p>Offered In Person at DHS COM 723 Workplace Communications MAT 772 Applied Math</p>	<p>Elementary/Secondary Education Transfer Major</p> <p>Offered In Person at DHS PSY 111 Intro to Psychology ENG 105 Composition I ENG 106 Composition II* EDU 210 Foundations of Education EDU 220 Human Relations for Classroom Teacher</p> <p>Offered Online at DHS EDU 240 Educational Psychology* EDU 255 Technology in the Classroom GEO 121 World Regional Geography SPC 112 Public Speaking HIS 151 U.S. History to 1877 ART 101 Art Appreciation PHI 105 Intro to Ethics MUS 100 Music Appreciation</p>	<p>Office Assistant Certificate</p> <p>Offered In Person at DHS CSC 116 Information Computing MAT 772 Applied Math</p> <p>Offered Online at DHS ADM 105 Introduction to Keyboarding ADM 131 Office Calculators ADM 162 Office Procedures</p>
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Students interested in dual credit courses need to check the course descriptions for further details. Some courses will satisfy requirements for a two year degree but may not transfer to a four year college, while others will satisfy the requirements towards a 2 year degree and also transfer to a four year college. Make certain you know which courses are transferable to a four year college and which are not.

CAREER PLANNING AND TESTING

A student's career planning in high school includes obtaining the needed knowledge and skills in various subject areas, learning about decision making, and identifying aptitudes, interests and achievements. During high school, students will meet with their counselor to plan their schedule of classes and to do post-high school planning. Some of the options that may be discussed are:

1. College admissions and college entrance requirements and examinations
2. Vocational/technical schools or area community colleges and their programs,
3. Military opportunities available.
4. Entering directly into the workforce or apprenticeship training.

These options should be considered as the student progresses through high school. Students also may need to:

1. Visit with representatives from four-year colleges and universities, vocational/technical schools or area community colleges, or the military services.
2. Attend the college fair held during the school day at our high school in early fall.
3. Plan visits to colleges or other types of schools or programs.
4. Attend, along with parents, the annual Financial Aid Night held in the fall. This usually helps families answer many questions about financing further education.

Valuable information is posted for seniors in the hallways and in the case outside the guidance office including college representatives who will be visiting our high school.

All students/families can access valuable information at the high school website [Denison High School](#) Click on Guidance.

Information on this site includes important testing dates and registration procedures, sites for practice tests, scholarship information and applications, checklists for students at each grade level for tasks which should be completed each year for progressing toward post-secondary education, and schedules of important dates for testing, visits and other guidance activities.

Minimum High School Course Requirements for Admission to Iowa's University System

Subject Area	Iowa State University	The University of Iowa	University of Northern Iowa
English	Four years of English emphasizing writing, speaking, reading, as well as an understanding and appreciation of literature.	Four years, with an emphasis on the analysis and interpretation of literature, composition, and speech.	Four years, including one year of composition; also may include one year of speech, communication, or journalism.
Math	Three years, including one year each of algebra, geometry, and advanced algebra.	Three years, including two years of algebra and one year of geometry, for admission to the College of Liberal Arts and Sciences. Four years, including two years of algebra, one year of geometry, and one year of higher mathematics (trigonometry, analysis, or calculus), for admission to the College of Engineering.	Three years, including the equivalent of algebra, geometry, and advanced algebra.
Natural Science	Three years, including one year each from any two of the following: biology, chemistry, and physics.	Three years, including one year each from any two of the following: biology, chemistry, and physics for admission to the College of Liberal Arts and Sciences. Three years, including at least one year of chemistry and one year of physics, for admission to the College of Engineering.	Three years, including courses in general science, biology, chemistry, earth science, or physics; laboratory experience highly recommended.
Social Science	Two years for admission to the Colleges of Agriculture, Business, Design, Human Sciences, and Engineering. Three years for admission to the College of Liberal Arts and Sciences.	Three years, with U.S. history and world history recommended for admission to the College of Liberal Arts and Sciences. Two years, with U.S. history and world history recommended for admission to the College of Engineering.	Three years, including courses in anthropology, economics, geography, government, history, psychology, or sociology.
World Language	Two years of a single foreign language for admission to the College of Liberal Arts and Sciences; 3 for the College of Engineering. Foreign language courses are not required for admission to the Colleges of Agriculture, Business, Design, or Human Sciences.	Two years of a single foreign language required for admission. It is recommended that students take at least 3 and possibly 4 years to satisfy eventual requirements at U of I.	Foreign language courses are not required for admission. However, two years of a foreign language in high school with a C- or above in the last term will meet the university graduation requirement.
Other Courses	Specific elective courses are not required for admission to Iowa State University.	Specific elective courses are not required for admission to The University of Iowa.	Two years of additional courses from the required subject areas, foreign languages, or fine arts.

Board of Regents, State of Iowa

Freshman Admission Requirements to the Regent Universities

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

$$\begin{aligned} & (3 \times \text{ACT composite score}) \\ & + (30 \times \text{high school GPA}) \\ & + \underline{(5 \times \text{number of full year high school core courses}^{**})} \\ & = \text{Regent Admission Index Score} \end{aligned}$$

Regent Admission Index Score

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










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

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

****Core courses are only from the areas of English, Mathematics, Science, Foreign Language, and Social Studies.**

A "web calculator" that can be used to help calculate a student's RAI score can be found at <https://www.iowaregents.edu/institutions/higher-education-links/regent-admission-index>

The 16 Career Clusters

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

	<p>Preparing individuals for employment in career pathways that relate to families and human needs.</p>
	<p>Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.</p>
	<p>Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.</p>
	<p>Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.</p>
	<p>Planning, managing, and performing marketing activities to reach organizational objectives.</p>
	<p>Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.</p>
	<p>Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.</p>

LANGUAGE ARTS

COURSE NUMBER: HS500
COURSE TITLE: [Speech](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 9 or 10 (strongly recommended) 11, 12
COURSE DESCRIPTION: This is an introductory, required semester course which provides practical experience in researching, organizing and presenting speeches for an audience. Various types of communication skills are also explored, including group discussion and problem solving, interpersonal skills, and drama/oral interpretation. The course aims to provide students with many of the communication skills needed in today's world.

COURSE NUMBER: HS501
COURSE TITLE: [Speech II](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Speech
GRADE LEVEL: 10, 11, 12
COURSE DESCRIPTION: This semester elective will provide instruction in individual and group competitive speech activities. Individual activities include impromptu speaking, improvisation, reviewing expository speaking, public address, original oratory, after-dinner speaking, interpretation of prose and poetry, storytelling, dramatic and humorous acting, and radio news. Group events include readers theater, group improvisation, and TV news and radio. **This course cannot be used to fulfill the speech requirement unless approved by the instructor.**

COURSE NUMBER: HS504
COURSE TITLE: [Acting & Directing](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: 9th Grade Speech requirement must be met
GRADE LEVEL: 9, 10, 11, or 12
COURSE DESCRIPTION: This semester elective course will introduce students to a variety of performance skills: acting, voice, interpretation, movement, improvisation, pantomime. Students also will be introduced to a variety of directing, performance, and acting styles. The goal of the course is to help students feel more comfortable on stage, become better actors, and understand the directing process. Some evening work may be required for rehearsals or performances.

COURSE NUMBER: HS505
COURSE TITLE: [Theater Tech/Design](#)
COURSE LENGTH: One Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 9, 10, 11, and 12; recommended for sophomores
COURSE DESCRIPTION: This semester elective introductory theatre course immerses students in the behind-the-scenes world of the stage. Students explore stage management and technical theatre skills such as set construction, painting and design, lighting and sound, costuming and makeup, and operation of the theatre facility. Students also study the historical development and styles of each technical area. The goal is to give students hands-on experience in producing a show. Seven hours of evening or weekend work are required to help with Fine Arts Center productions. Work clothes are needed.

COURSE NUMBER: HS5091A/HS5091B
COURSE TITLE: [AH Literature](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: None
GRADE LEVEL: 11
COURSE DESCRIPTION: This is a required, year long core class that is taught in conjunction with AH U.S. History. The focus is on a variety of literary genres and forms of media that align with American History and expand on the ideals and concepts that this nation was founded on. Students will work on developing skills associated with Reading Literature, Reading Informational Text, Speaking and Listening, Writing, and Language based on the 11-12 grade span of Iowa Core's English-Language Arts Standards.

COURSE NUMBER: HS510
COURSE TITLE: [Workplace Communications](#)
COURSE LENGTH: One Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - COM 723
GRADE LEVEL: 12
COURSE DESCRIPTION: This course is a study of the principles and processes of written and oral communication as applied to occupational and personal use through practical reading, writing and speaking assignments. It emphasizes technical report writing, including preparation, organization, audience and the effective use of format, supplements and visuals. This class satisfies the 12th grade English requirement and students may earn college credits through Western Iowa Tech Community College. **College credit is only transferable to certain 2-year programs.**

COURSE NUMBER: HS511
COURSE TITLE: [Advanced Composition](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Students must have maintained a minimum C grade in each of the following courses: English 9, English 10 and American Heritage, or successfully complete a timed essay.
GRADE LEVEL: 12
COURSE DESCRIPTION: This is a one semester core class that is one of three choices for senior English/Language Arts requirements. It is a college-preparatory course which puts an emphasis on the types of writing that will be required in college general education courses. Students will write assorted essays, including research papers, analyses, and content-specific writing samples. All assigned papers MUST be turned in to receive credit for graduation.

COURSE NUMBER: HS512A/HS512B
COURSE TITLE: [College English](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: None
CREDITS: Up to 9 Credits from WITCC
GRADE LEVEL: 12
COURSE DESCRIPTION: **ENG 105 Composition I** - This is a dual credit course taught by WITCC. This course is an exploration of writing as a process with attention to audience, purpose and patterns of exposition.
ENG 106 Composition II - This course is a continuation of ENG 105 with emphasis on developing more complex, sophisticated forms of exposition. It includes a research paper requiring library research, documentation, and bibliography.
Prerequisites: Take ENG-105
LIT 101 Intro to Literature - This course provides an introduction to the study of short fiction, poetry, and drama.
Prerequisites: Take ENG-105
Students successfully completing this course will earn six credits in composition and three credits in literature from WITCC, and these credits will transfer to every 2 or 4 year college.

COURSE NUMBER: HS550A/HS550B
COURSE TITLE: [English 9](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: None
GRADE LEVEL: 9
COURSE DESCRIPTION: This is a required, year long core class. Emphasis is placed on the transition to higher-level, analytical thinking that is characteristic of high school English/Language Arts courses. Curriculum is based on the 9-10 grade span of Iowa Core's English-Language Arts Standards. Instruction

and assessment are based on the five content areas: Reading Literature, Reading Informational Text, Speaking and Listening, Writing and Language. A variety of literature and media supports and enhances English 9 curriculum.

COURSE NUMBER: HS551A/HS551B
COURSE TITLE: [English 10](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: None
GRADE LEVEL: 10
COURSE DESCRIPTION: This is a required, year long core class. Through skills-based learning and data-driven instruction, English 10 students will continue to develop literacy skills increasing in complexity according to the 9-10 grade span of Iowa Core's English-Language Arts Standards. Students work with a variety of assigned and choice materials to grow their literacy skills in each of the five content areas: Reading Literature, Reading Informational Text, Speaking and Listening, Writing and Language.

COURSE NUMBER: HS519
COURSE TITLE: [Dystopian Literature](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Successful completion of English 9
GRADE LEVEL: 10, 11, or 12
COURSE DESCRIPTION: This semester elective course will expose students to classic and modern dystopias. In dystopian literature, the author crafts a world based on political or social concerns or injustices to address the current world state, its inhabitants and its leaders. The class functions as a reading workshop based on student interests. Coursework includes reading, independent reflection and collaborative discussion as students explore dystopian themes and their relation to the modern world.

COURSE NUMBER: HS521
COURSE TITLE: [Literature and Film](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Successful completion of English 9
GRADE LEVEL: 10, 11, or 12
COURSE DESCRIPTION: This semester elective course explores how character development, plot, narrative, symbols and language are developed in the different media of text and film. Students will read literature and view film versions of the same text to grow their analysis and communication skills through class discussion, examinations and essays.

COURSE NUMBER: HS518
COURSE TITLE: [Creative Writing](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Successful completion of English 9
GRADE LEVEL: 10, 11, or 12
COURSE DESCRIPTION: This semester elective course will expose students to a variety of creative writing found in poems, short stories, news stories, plays, comics, children's books and/or other types of creative expression. Students will read a variety of creative literature and become their own creative authors.

COURSE NUMBER: HS554
COURSE TITLE: [Cultural Literature](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Successful completion of English 9
GRADE LEVEL: 10, 11, or 12
COURSE DESCRIPTION: This semester elective course examines a variety of cultural literary excerpts from various time periods. Through discussion and writing, students will learn about different cultures, literary periods, representations of races in literature, and the contributions of cultural literature on the modern world.

COURSE NUMBER: HS2216A/HS2216B
COURSE TITLE: [Reading 2](#)
COURSE LENGTH: Semester (1 Credit) or Year (2 Credits), dependent on student's needs
PREREQUISITE: placed by Teacher Recommendation
GRADE LEVEL: 9, 10, 11, 12
COURSE DESCRIPTION: This need-based elective course is part of a tiered course structure designed for students who are reading below grade level expectations. Reading 2 coursework utilizes the READ 180 program, a blended learning intervention program with materials designed to explore multiple disciplines and highlight the interweaving of language. Activities focus on building reading comprehension, academic vocabulary and writing skills. This course does not replace a required English-Language Arts core course; it is supplemental to core classes.

COURSE NUMBER: HS2112A/HS2112B
COURSE TITLE: [Reading 3](#)
COURSE LENGTH: Semester (1 Credit) or Year (2 Credits), dependent on student's needs
PREREQUISITE: placed by Teacher Recommendation
GRADE LEVEL: 10, 11, 12

COURSE DESCRIPTION: This need-based elective course is part of a tiered course structure designed for students who are reading below grade level expectations. Reading 3 coursework expands on the READ 180 program utilized in Reading 2. Activities continue to use cross-curricular materials to explore the interweaving of language such that students build reading comprehension, academic vocabulary and writing skills. This course does not replace a required English-Language Arts core course; it is supplemental to core classes.

COURSE NUMBER: HS530A/HS530B

COURSE TITLE: [Reading 4](#)

COURSE LENGTH: Semester (1 Credit) or Year (2 Credits), dependent on student's needs

PREREQUISITE: placed by Teacher Recommendation

GRADE LEVEL: 9, 10, 11, 12

COURSE DESCRIPTION: This need-based elective course is part of a tiered course structure designed for students who are reading below grade level expectations. Reading 4 coursework follows the Second Chance Reading program model. Through research-based strategies including but not limited to independent reading, reader's theater, teacher feedback, direct instruction of vocabulary, partner work and the Read-Aloud-Think-Aloud model, coursework will rapidly improve the student's general comprehension skills and accelerate his/her independent reading level. This course does not replace a required English-Language Arts core course; it is supplemental to core classes.

COURSE NUMBER: HS531A/HS531B

COURSE TITLE: [Reading 5](#)

COURSE LENGTH: Semester (1 Credit) or Year (2 Credits), dependent on student's needs

PREREQUISITE: placed by Teacher Recommendation

GRADE LEVEL: 10, 11, 12

COURSE DESCRIPTION: This need-based elective course is part of a tiered course structure designed for students who are reading below grade level expectations. Reading 5 coursework expands on the Second Chance Reading model from Reading 4. With materials of increasing complexity to utilize research-based strategies including but not limited to independent reading, reader's theater, teacher feedback, direct instruction of vocabulary, partner work and the Read-Aloud-Think-Aloud model, coursework continues to improve the student's general comprehension skills and accelerate his/her independent reading level. This course does not replace a required English-Language Arts core course; it is supplemental to core classes.

MATHEMATICS

COURSE NUMBER: HS601A
COURSE TITLE: [Pre-Algebra](#)
COURSE LENGTH: Semester, One credit
PREREQUISITE: None
GRADE LEVEL: 9, 10
COURSE DESCRIPTION: This class is designed to aid students in making the transition from basic mathematics to algebra. Pre-Algebra introduces and covers in-depth the skills, concepts, and problem solving processes that will help the student become comfortable and successful with algebra.

COURSE NUMBER: HS602A/HS602B
COURSE TITLE: [Algebra I](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: None
GRADE LEVEL: 9, 10, 11, or 12
COURSE DESCRIPTION: This course is designed for all students. It is the study of equations, inequalities, graphs, factoring, and their use in problem solving. Material for this course is taken from Common Core State Standards.

COURSE NUMBER: HS603A/HS603B
COURSE TITLE: [Geometry](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: Successful completion of Algebra 1.
GRADE LEVEL: 9, 10, 11, or 12
COURSE DESCRIPTION: Geometry is a math course designed for all students. Topics studied include: congruent triangles, parallel and perpendicular lines, quadrilaterals, right triangles and trigonometry, circles, polygons and area, coordinate geometry, and transformations.

COURSE NUMBER: HS621A/HS621B
COURSE TITLE: [Honors Geometry](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: Successful completion of Algebra 1 with a 93% or higher in both semesters and Algebra I teacher recommendation
GRADE LEVEL: 9, 10
COURSE DESCRIPTION: Honors Geometry is a math course designed for high achieving math students to deepen the topics of study and promote opportunities for more applications of geometric concepts. Topics studied include: congruent triangles, parallel and perpendicular lines, quadrilaterals, right triangles and trigonometry, circles, polygons and area, coordinate geometry, and transformations.

COURSE NUMBER: HS604A/HS604B
COURSE TITLE: [Algebra II](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: Successful completion of Geometry or instructor's approval.
GRADE LEVEL: 10, 11, or 12
COURSE DESCRIPTION: Algebra II includes review of Algebra I skills with emphasis on solving open sentences. This course is designed for all students. Topics studied include equations and inequalities, linear relations and functions, systems, matrices, polynomials, irrational and complex numbers, quadratic equations, quadratic relations and functions, and polynomial functions.

COURSE NUMBER: HS605A/HS605B
COURSE TITLE: [Math Analysis](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: Completion of Algebra II
GRADE LEVEL: 11 or 12
COURSE DESCRIPTION: Math Analysis is a course that will benefit any student who plans to enter a field involving mathematics. It is also needed for some trade, technical, and military fields. Topics studied include linear relations and functions, systems, graph theory, trigonometric functions, trigonometric graphs and inverses, trigonometric identities and equations, vectors, parametric equations, polar coordinates, and complex numbers.

COURSE NUMBER: HS606A
COURSE TITLE: [Precalculus](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Completion of Math Analysis with a grade of C- or better or instructor's approval
GRADE LEVEL: 12
COURSE DESCRIPTION: This course presents a review of high school mathematics and a preparation for concepts integral to calculus. It is intended for students who would like to be thoroughly prepared for calculus or to simply study more mathematics. Topics include exponential and logarithmic expressions, arithmetic and geometric sequences and series, the binomial theorem, probability, and introduction to limits and derivatives.

COURSE NUMBER: HS606B
COURSE TITLE: [Calculus I \(College\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Completion of Precalculus with a grade of C- or better or instructor's approval
CREDITS: WITCC 5 credits - MAT 211
GRADE LEVEL: 12

COURSE DESCRIPTION: This course presents a complete study of a college calculus 1 class. It is intended for students who would like to be thoroughly prepared for college mathematics or to simply study more mathematics. Topics include limits and continuity, derivatives and their application, definite and indefinite integrals and their application and a brief introduction to vector calculus.

COURSE NUMBER: HS608

COURSE TITLE: [Probability and Statistics](#)

COURSE LENGTH: One Semester, One Credit

PREREQUISITE: Successful completion of Algebra II or Instructor's Approval

GRADE LEVEL: 11, 12

COURSE DESCRIPTION: Probability and Statistics is designed for those students who plan to enter such fields as economics, business, education, psychology, sociology, biology, medicine, mathematics, physical science or engineering sciences. Successful completion of this course will provide adequate preparation for the usual college courses offered in these disciplines.

COURSE NUMBER: HS620A

COURSE TITLE: [Applied Math](#)

COURSE LENGTH: Semester, One Credit

PREREQUISITE: Algebra I recommended

CREDITS: WITCC 3 credits - MAT 772

GRADE LEVEL: 11, 12

COURSE DESCRIPTION: This course covers all fundamental arithmetic concepts and more routine algebraic operations. Arithmetic concepts are fractions, percentages, graphing, decimals, ratios, word problems, metrics, areas, and volumes. Algebraic work includes solving simpler equations, proportions, and formula rearrangement. **College credit is only transferable to certain 2-year programs.**

COURSE NUMBER: HS622B

COURSE TITLE: [Applied Algebra](#)

COURSE LENGTH: Semester, One Credit

PREREQUISITE: Algebra I recommended

GRADE LEVEL: 11, 12

COURSE DESCRIPTION: Students will study concepts from Algebra and Geometry and apply them to real world situations. Topics covered include systems of equations, linear programming, right triangle trigonometry, surface area, volume, and probability.

SCIENCE

COURSE NUMBER: HS921A/HS921B
COURSE TITLE: [Integrated Science](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: None
GRADE LEVEL: 9
COURSE DESCRIPTION: This course is designed to introduce students to the basic principles of Chemistry, Physics and Earth Science. Each unit will take approximately 12 weeks to complete. There will be an emphasis on applying engineering principles the last two weeks of the course.

COURSE NUMBER: HS903A/HS903B
COURSE TITLE: [Biology](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: None
GRADE LEVEL: 10, 11, or 12
COURSE DESCRIPTION: The first semester will include units on the characteristics of life, biochemistry, cells, cell transport, and genetics. The second semester focuses on living systems, dissections, energy, and evolution.

COURSE NUMBER: HS910A/HS910B
COURSE TITLE: [Honors Biology](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: Demonstrates the ability and desire to excel in an accelerated course. If a student enrolled in Honors Biology is not performing to expected standards, that student will be required to drop the class at the end of the first semester. If a student in the Biology class is excelling in that class, he/she will be invited to enroll in the Honors Biology class for the second semester.

GRADE LEVEL: 10
COURSE DESCRIPTION: The first semester will include units on characteristics of life, biochemistry, cells, cell transport, and genetics. The second semester focuses on living systems, dissections, energy, and evolution. The honors program will be taught at a more vigorous pace than the biology course. This will allow more time for laboratory work and added content.

COURSE NUMBER: HS9010A/HS9010B
COURSE TITLE: [Field Biology](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: Integrated Science, Biology
GRADE LEVEL: 11 or 12

COURSE DESCRIPTION: Field Biology consists of the identification and study of common organisms found on the school campus and in various ecosystems common to Iowa. Indoor and outdoor hands-on laboratory investigations are used to understand how organisms survive and interact within their habitats. Students will also develop a deeper understanding of science practice and skills by developing investigations.

Laboratory work will include guided and open inquiry, specimen collection, population sampling, use of taxonomic keys, use of soil and water quality analysis equipment and other ecological field methods. This may include Hunter Safety Education.

COURSE NUMBER: HS904A/HS904B
COURSE TITLE: [Chemistry](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: Passed Algebra I with a C+ or better and be taking or passed Geometry
GRADE LEVEL: 11 or 12
COURSE DESCRIPTION: This course is designed for the student planning to pursue college of any type. This course will cover the basics of Chemistry.

COURSE NUMBER: HS905A/HS905B
COURSE TITLE: [Advanced Chemistry](#)
COURSE LENGTH: Year, Two Credit
PREREQUISITE: At least a B in Chemistry, Algebra II w/instructor approval
GRADE LEVEL: 12
COURSE DESCRIPTION: Advanced Chemistry is aimed at preparing students who are planning to go into a health/science related career and will be taking many science classes in college.

COURSE NUMBER: HS907
COURSE TITLE: [Anatomy & Physiology](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: At least a C in Biology
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: Anatomy and Physiology is a college prep course designed for students with an interest in the structure and function of the human body. Approximately two weeks will be spent on cat dissection.

COURSE NUMBER: HS909A/HS909B
COURSE TITLE: [Physics](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: Integrated Science, Biology
GRADE LEVEL: 11 or 12

COURSE DESCRIPTION: Physics is the study of energy in its various forms. About one-third of the course is devoted to the study of motion, force and work. About one-third is devoted to heat, light, sound and wave phenomena. The remaining third of the course is spent on electricity.

SOCIAL STUDIES

COURSE NUMBER: HS118
COURSE TITLE: [Economics](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: Economics is a semester course that examines the basic kinds of economic systems with emphasis on the American capitalistic economic theory and its implementation and development. The course includes the study of economics as a science, the principles of supply and demand, the principles guiding household economics, the economic organization of business, agriculture and labor: the national economy, including a study of the tax system, inflation, recession, fiscal and monetary policies which affect national economic policies, and international economics, to include aid to developing economics and the impact of trade and finance on future economic stability.

COURSE NUMBER: HS112
COURSE TITLE: [Personal Finance - Career Readiness](#)
COURSE LENGTH: One semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 9, 10, 11, 12
COURSE DESCRIPTION: This is a course for all students who wish to get a foundation in personal finance matters. Examples include establishing/protecting credit, budgeting, planning for their financial future, and debt management. Students will also explore the different areas of career clusters and pathways in order to prepare for future employment.

COURSE NUMBER: HS1005
COURSE TITLE: [American Government](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 12
COURSE DESCRIPTION: American Government is a required course. It is a survey of the foundations of American government, the American political system, the major institutions of the federal government, and a brief overview of state and county government. Students must choose and complete various

units designed to introduce and involve themselves in the government and its activities. Some career areas that this course would benefit might be politics, civil service, education, military, foreign relations, and business.

COURSE NUMBER: HS1006
COURSE TITLE: [Psychology](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 11 or 12
COURSE DESCRIPTION: This course is suggested for college-bound students who are interested in the study of human behavior. Areas of concentration include: experimental techniques; learning; memory; personality theories, and development; psychotherapy; and testing. This course will help students better understand their behavior and the behavior of others. This course will help fill a social studies elective. The course will be helpful if you wish to become a Psychiatrist, psychologist, counselor, social worker, clergy, teacher and others who dispense a great deal of advice.

COURSE NUMBER: HS1007
COURSE TITLE: [Sociology](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 11 or 12
COURSE DESCRIPTION: This course is suggested for college-bound students who are interested in the study of man's relation to man. Areas of concentration will include: development of cultures, organizing social life (groups and deviant behavior); social class structure; man's social role in the basic institutions (family, community, and religion); and the changing society (population, urban life, and social movements). This course will fill a social studies elective. It will be helpful if you wish to become a sociologist, a social worker, counselor, teacher, work in a personnel department or any position that needs understanding of human behavior.

COURSE NUMBER: HS1010
COURSE TITLE: [College Psychology](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
REQUIREMENTS: See Academic Requirements on page 10
CREDITS: WITCC 3 credits - PSY 111 Intro to Psychology
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course provides an overview of the study of human behavior with emphasis in the areas of biological mechanisms, development, sensation, learning and memory, motivation, therapy and social influence. The

course stresses the impact of both theoretical perspectives and experimental evidence on the formulation of human behavior. Psychological theories and principles are utilized to explain and predict behavior.

This course will transfer to a community college 2 year program and may fulfill an elective requirement for a four year college. Students successfully completing this course will earn 3 credits.

COURSE NUMBER: HS1022
COURSE TITLE: [Western Civ. I](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 10, 11, or 12
COURSE DESCRIPTION: This course covers the development of civilizations in the western world. This course includes the study of early man, the Egyptians, Greeks, and Roman civilizations. Medieval European society, and the rise of national governments in Europe. Students will participate in class discussion, note-taking, and will be expected to read through the text and other outside resources with the teacher as well as on their own. Students will take multiple-choice quizzes, complete review questions, class projects, and research papers over specific topics.

COURSE NUMBER: HS1023
COURSE TITLE: [Western Civ. II](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 10, 11, or 12
COURSE DESCRIPTION: This course includes the study of the rise of nation-states in Europe from the Age of Absolutism, World War I, World War II, and the holocaust through the modern era. Students will participate in class discussion, note-taking, and will be expected to read through the text and other outside resources with the teacher as well as on their own. Students will take multiple-choice quizzes, complete review questions, class projects, and research papers over specific topics.

COURSE NUMBER: HS1029
COURSE TITLE: [Current Events](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This class is entitled Current Events and we will be discussing just that...the CURRENT EVENTS that reside in our city, state, country, and world today. Through the semester you will be asked to understand, analyze, interpret, and discover political, economic, social, and cultural

issues that affect not just you, but the world as a whole. Our class will examine how you as students and Americans play roles in the global setting and how decisions today can and will have an impact on tomorrow. There is no textbook for this class so we will be using many outside resources to compile the course content as the events we will be discussing change on a daily basis.

COURSE NUMBER: HS1030
COURSE TITLE: [Global Studies](#)
COURSE LENGTH: One Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 9
COURSE DESCRIPTION: Global Studies is a one credit required course; one credit will be granted in the Social Studies department upon completion of the course. The course is to be taken during the freshman year of instruction. Through Global Studies the student will better understand the world and its interconnections. Historical, contemporary, and futuristic themes will be established. An emphasis will be made on the role of humans becoming more responsible “Global Citizens.”

COURSE NUMBER: HS5081A/HS5081B
COURSE TITLE: [AH US History](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: None
GRADE LEVEL: 11
COURSE DESCRIPTION: This is a one year course taught jointly by one history teacher and one literature teacher. It portrays the story of American culture by showing how American history and literature are interrelated.

PHYSICAL EDUCATION

Juniors and seniors who are in a sport for three seasons during the school year can choose to not take physical education. If a student discontinues participating in a sport before the end of a season, the student will be enrolled in physical education for the next semester. If sufficient time to complete the course does not exist, the student will have to double up on PE the next year.

COURSE NUMBER: HS809A/HS809B
COURSE TITLE: [PE/Music 9](#)
COURSE LENGTH: Quarter credit each Semester,
PREREQUISITE: Only 9th grade students who take both JV Choir & Instrumental Music
GRADE LEVEL: 9

COURSE DESCRIPTION: One quarter of physical education taught every other day in a 90 minute block is required. This course consists of weightlifting, dual, individual and team sports. Dual and individual activities include pickle ball, table tennis, badminton, etc. Team sports activities include volleyball, softball, etc. Coed activities are offered whenever possible.

COURSE NUMBER: HS810A/HS810B

COURSE TITLE: [PE/Music 10](#)

COURSE LENGTH: Quarter credit each Semester,

PREREQUISITE: Only 10th grade students who take both JV Choir & Instrumental Music

GRADE LEVEL: 10

COURSE DESCRIPTION: One quarter of physical education taught every other day in a 90 minute block is required. This course consists of weightlifting, dual, individual and team sports. Dual and individual activities include pickleball, table tennis, badminton, etc. Team sports activities include volleyball, softball, etc. Coed activities are offered whenever possible.

COURSE NUMBER: HS811

COURSE TITLE: [PE](#)

COURSE LENGTH: Semester, One-half Credit

PREREQUISITE: None

GRADE LEVEL: 10, 11, & 12

COURSE DESCRIPTION: One semester of physical education taught every other day in a 90 minute block is required. This course consists of weightlifting, dual, individual and team sports. Dual and individual activities include pickleball, table tennis, badminton, etc. Team sports activities include volleyball, softball, etc. Co-ed activities are offered whenever possible.

COURSE NUMBER: HS816

COURSE TITLE: [Lifetime Wellness](#)

COURSE LENGTH: Semester, One and a half Credit (P.E. 9 & Health)

PREREQUISITE: None

GRADE LEVEL: 9

COURSE DESCRIPTION: This is a required course for all freshmen. This course focuses upon building healthy life skills, promoting physical fitness, creating awareness of proper nutrition, understanding the consequences of decisions, the effects of peer pressure, the dangers of alcohol and tobacco, the implications of lifestyle and infectious diseases, the importance of good self-esteem, and coping skills for combating bullying and violence. This course also consists of weightlifting, dual, individual and team sports. Dual and individual activities include pickleball, table tennis, badminton, etc. Team sports activities include volleyball, softball, etc. Co-ed activities are offered whenever possible.

COURSE NUMBER: HS818
COURSE TITLE: [Weight Training](#)
COURSE LENGTH: Semester, One-half Credit
PREREQUISITE: Grades 10-12
GRADE LEVEL: 10, 11, 12
COURSE DESCRIPTION: The emphasis in this course is on muscular strength, muscular endurance, flexibility, overall fitness, and safety. The core lifts in this course include bench press, squats, and hang clean. Weight room safety, important components in this course. In addition, students will monitor and improve their fitness levels by participating in the Fitnessgram assessments and one repetition maximum testing throughout the semester. Students will leave the class with a lifelong understanding of how to maintain adequate physical fitness for a healthy lifestyle. *This course will take the place of the PE 10-11 or PE 12 course. Seniors, Juniors, and Sophomores are eligible to take Weightlifting, with priority given to Upperclassmen.

COURSE NUMBER: HS821
COURSE TITLE: [Advanced Weight Training](#)
COURSE LENGTH: Semester, One-half Credit
PREREQUISITE: Grades 10-12 with approval of instructor and must have taken Weight Training 1st semester
GRADE LEVEL: 10, 11, 12
COURSE DESCRIPTION: The emphasis in this course is on muscular strength, muscular endurance, flexibility, overall fitness, and safety. The core lifts in this course include bench press, squats, and hang clean. Weight room safety, important components in this course. In addition, students will monitor and improve their fitness levels by participating in the Fitnessgram assessments and one repetition maximum testing throughout the semester. Students will leave the class with a lifelong understanding of how to maintain adequate physical fitness for a healthy lifestyle. Seniors, Juniors, and Sophomores are eligible to take Weightlifting, with priority given to Upperclassmen.

COURSE NUMBER: HS819
COURSE TITLE: [Fitness Extreme](#)
COURSE LENGTH: Semester, One-half Credit
PREREQUISITE: None
GRADE LEVEL: 10, 11, 12
COURSE DESCRIPTION: The emphasis in this course is on overall fitness. Warm-up/cool-down procedures, exercise techniques, safety, and individual goal setting are all important components in this course. In addition, students will monitor and improve their fitness levels by participating in the Fitnessgram assessments throughout the semester. Students will leave the class with a lifelong understanding of how to maintain adequate physical fitness for

a healthy lifestyle. Some activities in this class include Jillian Michaels 30 Day shred, Kickboxing, Zumba, Step Aerobics, Yoga, Tae-Bo, Pilates, T25, Kettlebell, Medicine ball, and current workout trends. Seniors, Juniors, and Sophomores are eligible to take Fitness extreme, with priority given to upperclassmen.

HEALTH

COURSE NUMBER: HS1101
COURSE TITLE: [Health](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 9, 10, 11, 12
COURSE DESCRIPTION: This course is designed to promote healthy habits by engaging in activities, group discussions, reflections, and video analysis. Over the course of the semester, we will be covering topics such as: public health, personal hygiene, MyPlate - healthy eating, mental health, mental disorders, sexual health and STD's, stress management, healthy relationships, infectious disease, cancer, death and coping with loss, and the obesity epidemic. Health is a course that equips students with the tools they need to live healthy, meaningful, and positive lives. It is used on a daily basis by everyone in the community, at least to a certain degree.

WORLD LANGUAGE

COURSE NUMBER HS204A/HS204B
COURSE TITLE: [Spanish I](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: None
GRADE LEVEL: 9, 10, 11, or 12
COURSE DESCRIPTION: Spanish I is a comprehensible input based class. It is designed to introduce the basics of the Spanish language, both written and spoken. It focuses on the present tense and useful everyday vocabulary through novels, short stories, songs, grammar, etc. Since a language is a reflection of the culture or cultures that speak it, elements of culture from Spanish-speaking peoples will be integrated into the teaching of the language.

COURSE NUMBER HS205A/HS205B
COURSE TITLE: [Spanish II](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: "D-" grade or above in Spanish I or written permission from the instructor

GRADE LEVEL: 9, 10, 11, or 12
COURSE DESCRIPTION: Spanish II is a comprehensible input based class that reviews the material from Spanish I and progresses to the past tenses and more complex expressions of the student's thoughts in both written and spoken Spanish. This is done through the use of novels, short stories, songs, and grammar. Since a language is a reflection of the culture or cultures that speak it, elements of culture from Spanish-speaking peoples will be integrated into the teaching of the language.

COURSE NUMBER HS206A/HS206B
COURSE TITLE: [Spanish III](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: 70% or above in Spanish II or written permission from the instructor.
GRADE LEVEL: 10, 11 or 12
COURSE DESCRIPTION: Spanish III is a comprehensible input based class that reviews the material from Spanish I and II, and continues perfecting the use of the past tense, as well as introducing the future tense, and more complex expressions of the student's thoughts in both written and spoken Spanish. This is done through the use of novels, short stories, songs, and grammar. Since a language is a reflection of the culture or cultures that speak it, elements of culture from Spanish-speaking peoples will be integrated into the teaching of the language.

COURSE NUMBER HS207A/HS207B
COURSE TITLE: [Spanish IV](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: 70% or above in Spanish III or written permission from the instructor.
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: Spanish IV is a comprehensible input based class that reviews the material from Spanish II and III, and focuses on more complex expressions of the student's thoughts in both written and spoken Spanish. This is done through the use of novels, short stories, songs, and grammar. Since a language is a reflection of the culture or cultures that speak it, elements of culture from Spanish-speaking peoples will be integrated into the teaching of the language.

INSTRUMENTAL / VOCAL MUSIC

COURSE NUMBER: HS710A/HS710B
COURSE TITLE: [Instrumental Music 9-10](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: Pass both semesters of the previous year's high school instrumental music course.

GRADE LEVEL: 9, 10
COURSE DESCRIPTION: Students will progress through instrumental music curriculum towards becoming productive musicians, both in ensembles and individually. Curricular activities include the Monarch Marching Band (first nine weeks), and one of two concert bands (split by grade-level). Extra-curricular activities connected to Instrumental Music include: Jazz Band, Mariachi, Drumline, Solo/Small Group Contest, All-State and honor band auditions, the Southwest Iowa Honor Marching Band, and the Monarch Pep Band. Students are graded on their individual musical progress and their contributions in ensembles.

COURSE NUMBER: HS711A/HS711B
COURSE TITLE: [Instrumental Music 11-12](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: Pass both semesters of the previous year's high school instrumental music course.

GRADE LEVEL: 11, 12
COURSE DESCRIPTION: Students will progress through instrumental music curriculum towards becoming productive musicians, both in ensembles and individually. Curricular activities include the Monarch Marching Band (first nine weeks), and one of two concert bands (split by grade-level). Extra-curricular activities connected to Instrumental Music include: Jazz Band, Mariachi, Drumline, Solo/Small Group Contest, All-State and honor band auditions, the Southwest Iowa Honor Marching Band, and the Monarch Pep Band. Students are graded on their individual musical progress and their contributions in ensembles.

COURSE NUMBER: HS7281A/HS7281B
COURSE TITLE: [Monarch Concert Choir](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: Pass both semesters of the previous year's high school vocal music course.

GRADE LEVEL: 9, 10, 11, 12
COURSE DESCRIPTION: This class is open to grades 9-12th that demonstrate a sincere desire to sing. Students will learn to read music and good singing techniques. They will prepare and present four major concerts a year. Students demonstrating exceptional abilities may audition for All-State in the fall semester and Solo/Ensemble contest held in the spring semester. This choir also participates in State Large Group Contest held each May. Vocal lessons (private or group) per quarter are required for all students and will be scheduled during the day or after school. One credit per semester is given for this course.

COURSE NUMBER: HS7291A/HS7291B
COURSE TITLE: [Monarch Chamber Choir](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: Pass both semesters of the previous year's instrumental music course.
GRADE LEVEL: 10, 11, 12
COURSE DESCRIPTION: Auditioned ensemble—is open to students enrolled in grades 10-12 who have successfully participated, for at least one year in the choral program and complete a rigorous audition process. This ensemble provides an intensive and highly rewarding musical experience. In-depth study of music from each time period of musical history is explored, including multicultural selections from around the world. Vocal production, independence, and musical precision are explored in detail. The Chamber Choir will be performing in 4 school concerts and the IHSMA Large Group Festival. Each member of the Chamber Choir will be required to perform at least one solo/or group for State Solo/Small Group Contest and will have 2 lessons a quarter.

COURSE NUMBER: HS706
COURSE TITLE: [Music Theory I](#)
COURSE LENGTH: Semester, One Credit (offered only in the fall semester)
PREREQUISITE: None
GRADE LEVEL: 10, 11, 12
COURSE DESCRIPTION: Students will learn basic theory concepts, such as notation, intervals, key signatures (major and minor), modes, and basic triads. Students will also be introduced to basic music notation software.

COURSE NUMBER: HS707
COURSE TITLE: [Music Theory II](#)
COURSE LENGTH: Semester, One Credit (offered only in the spring semester)
PREREQUISITE: Music Theory I
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: Students will learn the fundamental properties of harmonic writing and music analysis, including concepts such as four-part harmony, species counterpoint, basic progressions, and cadences. Students will learn basic compositional technique and simple methods of arranging.

COURSE NUMBER: HS708
COURSE TITLE: Music Theory III
COURSE LENGTH: Semester, One Credit (offered only in the spring semester)
PREREQUISITE: Music Theory II
GRADE LEVEL: 12
COURSE DESCRIPTION: The semester will be spent primarily on projects that utilize and expand students' knowledge of music theory. Students will use notation software extensively throughout the semester.

ART

COURSE NUMBER: HS1
COURSE TITLE: [Intro to Visual Education](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 9, 10, 11, 12
COURSE DESCRIPTION: Intro to Visual Education is a beginning course. Areas covered are drawing, ceramics, sculpture, and painting. The philosophy of the course is to offer a wide range of activities and problems and to expose the students to as many different art areas as time permits. Elements of basic design will be stressed in the first half of the course. Strategies will also be introduced to foster learning the basics of the creative process. *This course is a prerequisite to **all other art classes**. Students must achieve at least a grade of "C" in order to advance to any other art course.*

COURSE NUMBER: HS3
COURSE TITLE: [Ceramics](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Intro to Visual Education (with at least a grade of "C")
GRADE LEVEL: 10, 11, 12
COURSE DESCRIPTION: Ceramics starts with a brief review of all hand building techniques. Students will create projects from pinch, slab, coil, and wheel methods. New techniques in ceramic design will be introduced. At this level, students will gain knowledge in loading and firing the electric kiln. This course will equip all students to be knowledgeable consumers and producers of ceramic art.

COURSE NUMBER: HS11
COURSE TITLE: [Drawing & Painting I](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Intro to Visual Education (with at least a "C")
GRADE LEVEL: 9, 10, 11, 12
COURSE DESCRIPTION: This course will focus on and introduce various drawing and painting techniques and mediums. Acrylic, watercolor, colored pencil, and graphite are a few mediums the student will have the opportunity of exploring. Students will begin to utilize the design process to become independent thinkers. Students will be required to work with sketchbooks over the semester. Sketchbook assignments will be in and outside of class. Peer critiques and self evaluations will be utilized to improve student work.

COURSE NUMBER: HS12
COURSE TITLE: [Drawing & Painting II](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Intro to Visual Education (with at least a "C"), Drawing & Painting I
GRADE LEVEL: 10, 11, 12
COURSE DESCRIPTION: This course will build upon the techniques learned and explored during Drawing & Painting I. Students will get the opportunity to create with a variety of mediums including, acrylic, watercolor, oil pastel, chalk pastel, colored pencils, and graphite. Building off of the design process, students will learn to become more creatively independent by solving problems and creating unique artwork. Students will be required to work with sketchbooks over the semester. Sketchbook assignments will be in and outside of class. Peer critiques and self evaluations will be utilized to improve student work.

COURSE NUMBER: HS10
COURSE TITLE: [Graphic Design](#)
COURSE LENGTH: Semester, one Credit (Can be taken twice)
PREREQUISITE: Intro to Visual Education (with at least a "C") or teacher recommendation
GRADE LEVEL: 10, 11, 12
COURSE DESCRIPTION: This course will place emphasis on the use of the computer and cameras as the main tools for carrying out assignments and strategies. Students will learn the features of the Jostens Yearbook site. Students will also have opportunities to critique and reflect on their own work as well as their peers. Yearbook and Advertising will be the focus of this class. Students will produce the annual yearbook for the school, promotional items and visuals for the school. Students in this course will need to be independent and have a high work ethic. Students will develop skills in the following areas: group work, organization, layout and design, basic computer knowledge, writing, editing, vocabulary and photography.

COURSE NUMBER: HS7
COURSE TITLE: [Studio I](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Intro to Visual Education, and two of the following: Painting, Drawing, Ceramics, Graphic Design. Students must have averaged a B or better in those courses.
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: Students will work in areas of their interest: drawing, painting, ceramics, sculpture, and multimedia. Discussion and research of artists, art history, and current trends will take place. Students will be responsible for each piece they complete and set their goals for standards, time management, and theme. Students will also be preparing their portfolio for future plans in the art field.

COURSE NUMBER: HS8
COURSE TITLE: [Studio II](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Intro to Visual Education, Studio I and two of the following: Painting, Drawing, Ceramics, Graphic Design. Student must have averaged a B in those courses
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: Students will work in areas of their interest: drawing, painting, ceramics, sculpture, and multimedia (Needs to be a different area than in Studio I). Discussion and research of artists, art history, and current trends will take place. Students will be responsible for each piece they complete and set their goals for standards, time management, and theme. Students will also be finishing their portfolio for future plans in the art field.

COURSE NUMBER: HS9
COURSE TITLE: [Photography](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Intro to Visual Education
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: Visual and aesthetic aspects of photography will be a focus for the entire course. Emphasis will be placed on digital photography and editing programs. Students will experience a variety of skills including product photography, documentary photography, and macro photography. The history of photography and photographer research will be introduced. Photo prompt assignments will be in and outside of class. This course will also give students the opportunities to be better consumers and producers of art and photography.

BUSINESS

COURSE NUMBER: HS105A/HS105B
COURSE TITLE: [Accounting I](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: None
GRADE LEVEL: 9, 10, 11, or 12
COURSE DESCRIPTION: This course emphasizes basic knowledge concerning small businesses and personal record keeping. It emphasizes the basics in accounting procedures for different types of small businesses. The course is essential to those interested in a career in business, whether it be secretarial, bookkeeping, store clerk, farming, retail sales, or just personal records and budgets.

COURSE NUMBER: HS106A/HS106B
COURSE TITLE: [Accounting II](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: C or above in Accounting I
GRADE LEVEL: 10, 11 or 12
COURSE DESCRIPTION: This course is designed to improve and develop the skills and understandings taught in Accounting I. Emphasis will be on partnerships, corporations, and cost accounting. We will use a variety of tools including online accounting, manual accounting, and source document accounting. This course is designed for any student who is interested in a business career or to expand on their knowledge of an accounting system. It is particularly beneficial to those interested in a 2 or 4 year college and those planning a career immediately after graduation.

COURSE NUMBER: HS107A/HS107BA
COURSE TITLE: [Accounting III](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: C or above in Accounting II
GRADE LEVEL: 11 or 12
COURSE DESCRIPTION: This course is designed for those accounting students wanting to expand their knowledge of accounting principles and procedures. Accounting procedures introduced in Accounting I and II will be studied in depth. This course is for those students majoring in accounting, management, marketing, or other careers within the business world. This course is designed for those accounting students wanting to expand their knowledge of accounting principles and procedures. The concepts and procedures introduced in Accounting I and Accounting II will be covered in depth and taken to a more advanced stage. During the second semester this course will cover the objectives of a traditional college level financial accounting course, plus those from a managerial accounting course. The syllabus will follow a semester syllabus for a college level Financial Accounting course. This course is designed for those students planning a major in college in accounting, management, marketing, or any other business occupation.

COURSE NUMBER: HS124
COURSE TITLE: [Principles of Business](#)
COURSE LENGTH: One semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 9, 10, 11, 12 (encouraged for 11 & 12 grade)
COURSE DESCRIPTION: This course is designed to provide students with an understanding of the business world and related business areas. The course will be a general overview of business management, entrepreneurship, and sports marketing. Principles of Business will provide an introduction to the concepts of managerial functions of planning a business,

entrepreneurship will explore the principles of owning and operating a business, and sports marketing will concentrate on financing in the sports world.

COURSE NUMBER: HS4115
COURSE TITLE: [Information Computing \(College\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
REQUIREMENTS: See Academic Requirements on page 10
CREDITS: WITCC 3 credits-CSC116
GRADE LEVEL: 9, 10, 11, or 12
COURSE DESCRIPTION: This course presents the basic concepts of information systems and computer literacy. The course incorporates theory as well as hands-on practice, which focuses on spreadsheets and database management systems (DBMS).

COURSE NUMBER: HS116
COURSE TITLE: [Web Design](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 9, 10, 11, or 12
COURSE DESCRIPTION: Introduction to basic coding that includes HTML and CSS. Topics include HTML pages, internal CSS, HTML forms, link, CSS box model, and HTML/CSS templates. The culminating project consists of building a website for real or fictional business from scratch. This course also includes an introduction to the Adobe Photoshop software package. This course is the first in a series focusing on the software used to manipulate images used for digital and printed media. Topics include introduction to the software interface, tools, palettes, selections, layers, basic retouching techniques, and basic realistic editing techniques.

COURSE NUMBER: HS127
COURSE TITLE: [Computer Science](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 9, 10, 11, 12
COURSE DESCRIPTION: This course is an entry-level course that introduces high school students to foundations of modern computing. The course covers a broad range of foundational topics such as digital information, the Internet, intro to app design, and programming.

COURSE NUMBER: HS123
COURSE TITLE: [Adobe Animate](#)
COURSE LENGTH: One Credit, One Semester
PREREQUISITE: Web Design
GRADE LEVEL: 9, 10, 11, 12
COURSE DESCRIPTION: This course is an introduction to animation and editing software. The software used will be Adobe Animate, Adobe Animate Character Creator, and Adobe Photoshop. Throughout this course students will create animations using some basic animation features, nested animation, and flipbook and video integration. Students will be working with adding sound, start and stop buttons and many other features built into animations. We will be exploring ActionScripts for interactivity and also integrating photoshop elements into the projects. No artistic skill is needed for this class, just a desire to learn current software applications in this area.

COURSE NUMBER: HS111
COURSE TITLE: [Desktop Publishing](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 10, 11, 12
COURSE DESCRIPTION: This course will cover a range of topics related to the principles of print design and the publishing/publication process. Students will learn how to use industry standard software to design and produce high-quality, professional print publications. Programs used will include Adobe InDesign, Adobe Illustrator, and Adobe Photoshop. Students will study the principles of design to create a variety of publications for different audiences. The course is designed for the student who is interested in pursuing any career in the publishing, business, or education fields.

COURSE NUMBER: HS128
COURSE TITLE: [Principles of Digital Media](#)
COURSE LENGTH: One Credit, One Semester
PREREQUISITE: None
GRADE LEVEL: 9, 10, 11, 12
COURSE DESCRIPTION: This course is designed for students to gain an overview of four essential media categories: graphic design, podcasts, live production, and film production. Students will get hands-on, project-based experience with branding, graphic editing software, cameras, video editing software, audio production equipment, and video production equipment.

COURSE NUMBER: HS129
COURSE TITLE: [Advanced Digital Media](#)
COURSE LENGTH: One Credit, One Semester / May be taken more than once with permission of the instructor.
PREREQUISITE: C- or higher in Principles of Digital Media
GRADE LEVEL: 10, 11, 12
COURSE DESCRIPTION: This course will allow students to choose an area of focus they learned in the prerequisite course to create their own brand and projects under the Monarch Media brand umbrella. Potential projects include a podcast series, documentaries/short films, or working with a team to create content and manage social media platforms.

COURSE NUMBER: HS1205A/HS1205B
COURSE TITLE: [Monarch Academy](#)
COURSE LENGTH: Semester, one credit
PREREQUISITE: None
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: In this course students will be expected to share experiences, knowledge, and expertise with each other as they collaborate on real-world projects. Students will develop and initiate different projects for businesses, community organizations, and others in the educational field to complete authentic profession-based projects. The students participating in this course should be self-motivated and willing to try new experiences. Students in this course will be working with and collaborating with their peers and with adults in the community and business world. Organizational skills will be developed as the students work through different projects from inception to the final product. Students in this course should be responsible and self-motivated.

Skills that will be developed will include but not be limited to:

- Strong communication skills both oral and written
- Manage multiple tasks and projects and prioritize time
- Use their research skills to develop techniques that they may not be familiar with but will be required to complete a particular project
- Time management in setting and meeting deadlines
- Creative thinking and problem solving

Students will choose from these emphasis areas for their career choice: Desktop Publishing, Animation, Live Interactive Media (Podcasting, Video Editing, Social Media), Photography.

FAMILY AND CONSUMER SCIENCE

COURSE NUMBER: HS300
COURSE TITLE: [Foods I](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 9, 10, 11, and 12
COURSE DESCRIPTION: This is a beginning foods course which includes the development of basic food preparation procedures. The focus is on recipe skills, cooperation and teamwork, reading and following directions, food safety and sanitation, and basic kitchen math.

COURSE NUMBER: HS301
COURSE TITLE: [Foods II](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Successful completion of Foods I
GRADE LEVEL: 9, 10, 11, and 12
COURSE DESCRIPTION: This is an advanced food and nutrition course that is a continuation of Foods I. Labs are based on the Food Guide Pyramid. The focus is on eating to maintain health; recipe skills; planning, organizing, and shopping; critical thinking; and food safety and sanitation. Students will also get an introduction to the culinary marketing business “King’s Kitchen.”

COURSE NUMBER: HS306
COURSE TITLE: [Culinary Marketing](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Successful completion of Foods I & Foods II
GRADE LEVEL: 10, 11, and 12
COURSE DESCRIPTION: This is an advanced food and nutrition course that is a continuation of Foods I and Foods II. The course is set up as a culinary marketing class whereas students learn the basics of food entrepreneurship. Students test recipes, shop, prepare, sell, and do a market and nutrition analysis for the culinary business “King’s Kitchen.” Skills that are emphasized include: working as a team; making decisions; planning, organizing, and shopping; thinking critically and answering questions; setting and reaching goals; safety and sanitation; quality control; cost and nutrition analysis; recipe skills; and flavor profiling.

COURSE NUMBER: HS303
COURSE TITLE: [Contemporary Living](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None

GRADE LEVEL: 10, 11 and 12
COURSE DESCRIPTION: Decisions, decisions, decisions.....everything you do affects your life today and quite possibly your life for years to come. This class focuses on decisions that affect you, those around you, and your future. Good decision making and the evaluation of choices is vital to your physical, social, emotional, spiritual, and financial well-being.

COURSE NUMBER HS304
COURSE TITLE: [Child Development I](#)
COURSE LENGTH: One Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 11 or 12
COURSE DESCRIPTION: This course is a study of effective parenting, child care skills, child observation and participation, health, safety, and nutrition, developmental stages and influences, family and personal relationships, society and community, and careers that pertain to child development. It will include prenatal development and stresses the child through the age of one. This class would be excellent for anyone interested in the healthcare field, teaching, social work, or using parenting skills effectively. A precision test certificate can be earned for this class.

COURSE NUMBER HS305
COURSE TITLE: [Child Development II](#)
COURSE LENGTH: One Semester, One Credit
PREREQUISITE: Child Development I (Approval of Instructor required if grade in HS304 was below a C-)
GRADE LEVEL: 11 or 12
COURSE DESCRIPTION: This course is a study of growth and developmental processes of the child from age one to adolescence. Emphasis is on the social, physical, cognitive, and emotional development of each age group. It will provide an opportunity to participate with children in a supervised setting, emphasizing planning and implementation of childhood activities. This class would be excellent for anyone interested in the healthcare field, teaching, social work, or using parenting skills effectively. A precision test certificate can be earned for this class.

AGRICULTURAL EDUCATION

COURSE NUMBER: HS404A/HS404B
COURSE TITLE: [Intro to Agriculture](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: None
GRADE LEVEL: 9, 10, 11, 12

COURSE DESCRIPTION: This class will be a basic introduction to agriculture. Students will learn about the basics of FFA needed to receive their greenhand degree. The class will allow the students to explore the very basics of plant science, animal science, agriscience, and various other agricultural industries. This will include career exploration of the many career opportunities within agriculture. **Students enrolled in this class are eligible for FFA membership.**

COURSE NUMBER: HS405A/HS405B

COURSE TITLE: [Plant Science](#)

COURSE LENGTH: Year, Two Credits

PREREQUISITE: None

GRADE LEVEL: 10, 11, 12

COURSE DESCRIPTION: In the fall students will learn about the basics of Plant Science. This will include garden crops, fruits, and ornamental plants. Students will learn about the basic composition and structures of plants and flowers. They will learn about the proper growth and sales of poinsettias. Spring semester will have a focus on Greenhouse Management and Landscaping. Students will get hands-on experience with flowers, vegetables and landscaping practices in the Greenhouse. **Students enrolled in this class are eligible for FFA membership.**

COURSE NUMBER: HS406A/HS406B

COURSE TITLE: [Animal Science](#)

COURSE LENGTH: Year, Two Credits

Offered every other year starting 2023-24; opposite of Agronomy & Natural Resources

PREREQUISITE: None

GRADE LEVEL: 11 or 12

COURSE DESCRIPTION: In this course the students will get a basic understanding of the livestock animal industry. In semester 1, students will get hands-on experiences with livestock breeds, anatomy, evaluation, and meats. Semesters 2 of animal science will include in-depth learning experiences on livestock nutrition, genetics, and reproduction. **Students enrolled in this class are eligible for FFA membership.**

COURSE NUMBER: HS407A/HS407B

COURSE TITLE: [Agronomy & Natural Resources](#)

COURSE LENGTH: Year, Two Credits

Offered every other year starting 2024-25; opposite of Animal Science

PREREQUISITE: None

GRADE LEVEL: 11 or 12

COURSE DESCRIPTION: This course covers topics ranging from soil science, crops, crop production, and evaluation of crops. The units that will be covered are

plant biology, monocots and dicots, row crop Management, turf-Grass Management, pesticide and herbicide use along with pest management, and fertilizer applications. Within these unit areas, there will be emphasis on plant growth factors, seed production, and variety selections. Also included in this Agronomy course will be units on renewable resources, biofuels, and ag-security. There will also be connections made between natural resources and how it affects the sustainability of our fields and resources. **Students enrolled in this class are eligible for FFA membership.**

COURSE NUMBER: HS408
COURSE TITLE: [Agricultural Business](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Ag II
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: The agricultural business program emphasizes courses in business, accounting, and economics, with an agricultural focus. Students will learn how to manage agricultural record books, calculate depreciation, and assess agricultural assets and liabilities. **Students enrolled in this class are eligible for FFA membership.**

COURSE NUMBER: HS483
COURSE TITLE: [Veterinary Science](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Biology
GRADE LEVEL: 10, 11, or 12
COURSE DESCRIPTION: The purpose of this course is to increase your knowledge and understanding of animal science and animal health care topics. Students will engage in learning in the areas of animal terminology, animal behaviors, common animal illnesses and treatments, common preventative regimens, animal ethics and common procedures of working in the veterinary medicine field. **Students enrolled in this class are eligible for FFA membership.**

INDUSTRIAL TECHNOLOGY

COURSE NUMBER: HS450
COURSE TITLE: [Intro to Indust Tech](#)
COURSE LENGTH: Semester - One Credit
PREREQUISITE: None
GRADE LEVEL: 9, 10, 11, 12
COURSE DESCRIPTION: This course provides students with the basics of several areas of industrial technology with emphasis placed on hands-on experience.

Units of instruction include metals, woods, electricity, power and energy and drafting. Emphasis will be placed on careers and employment in the Industrial technology field.

COURSE NUMBER: HS451
COURSE TITLE: [Power & Energy](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Intro to Indust Tech is strongly recommended
GRADE LEVEL: 9, 10, 11, 12
COURSE DESCRIPTION: In class the student will study and discuss sources of power from the past into the future. Each student will have hands-on learning of a 4-cycle, one cylinder engine as well as an experience in designing , manufacturing and testing a CO2 dragster. At the completion of this class, students will have an understanding of mechanical operations such as levers and fluids.

COURSE NUMBER: HS452
COURSE TITLE: [Electricity Fundamentals](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Intro to Indust Tech Strongly Recommended
GRADE LEVEL: 10, 11, 12
COURSE DESCRIPTION: Students will learn circuits and various components which make up home, industrial building and electronic circuits. Included in this course will be the study of electrotonic and control devices. Students will assemble and disassemble various components found in AC and DC electrical circuits. Electrical safety and troubleshooting will be taught as part of this course through the use of electricity labs.

COURSE NUMBER: HS454
COURSE TITLE: [Woods](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Intro to Indust Tech Strongly Recommended
GRADE LEVEL: 9, 10, 11, or 12
COURSE DESCRIPTION: Students will learn woodworking processes such as designing, measuring, cutting material, joining, gluing, sanding, and finishing. By the end of the course the student will have learned how to use power tools in the lab.

COURSE NUMBER: HS455
COURSE TITLE: [World of Construction](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Intro to Indust Tech Strongly Recommended
GRADE LEVEL: 10, 11, or 12

COURSE DESCRIPTION: Students will cover the complete process of the construction trades from community planning, site selection, and building the finished structure. The student, upon completion, will be able to work for construction and be able to figure out the cost of materials. A class project of placing concrete and/or building a small structure will allow students a hands-on experience using building materials, tools, and equipment.

COURSE NUMBER: HS458

COURSE TITLE: [Car/Home Maintenance](#)

COURSE LENGTH: Semester, One Credit

PREREQUISITE: None

GRADE LEVEL: 10, 11, 12

COURSE DESCRIPTION: This course is designed for the student wishing to learn how to do basic maintenance on an automobile and home. Course content will be kept basic and lab work will also be very general. Troubleshooting will be taught as part of this course.

PROJECT LEAD THE WAY

In PLTW Engineering, students engage in open-ended problem solving, learn and apply the engineering design process, and use the same industry-leading technology and software as are used in the world's top companies. Students are immersed in design as they investigate topics such as sustainability, mechatronics, forces, structures, aerodynamics, digital electronics and circuit design, manufacturing, and the environment, which gives them an opportunity to learn about different engineering disciplines before beginning postsecondary education or careers. Schools offer a minimum of three courses by the end of the third year of implementation: Introduction to Engineering Design, Principles of Engineering, and any specialization course or the capstone course.

COURSE NUMBER: HS459A/HS459B

COURSE TITLE: [Intro to Engineering Design PLTW](#)

COURSE LENGTH: Year, Two Credits

PREREQUISITE: None

GRADE LEVEL: 9, 10, 11, 12

COURSE DESCRIPTION: Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. This course is step one in the Project Lead the Way course sequence.

COURSE NUMBER: HS461A/HS461B

COURSE TITLE: [Principles of Engineering PLTW](#)

COURSE LENGTH: Year, Two Credits

PREREQUISITE: Intro to Engineering Design
GRADE LEVEL: 10, 11, 12
COURSE DESCRIPTION: Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. This course is step two in the Project Lead the Way course sequence.

COURSE NUMBER: HS463A/HS463B
COURSE TITLE: [Civil Engineering and Architecture PLTW](#)
COURSE LENGTH: Year, Two Credits
PREREQUISITE: none
GRADE LEVEL: 10, 11, 12
COURSE DESCRIPTION: Civil Engineering and Architecture (1 year). Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software.

WORK BASED LEARNING EXPERIENCES

COURSE NUMBER: HS125A / HS125B
COURSE TITLE: [Career Exploration](#)
COURSE LENGTH: Semester or Year
Students can only be enrolled in one off campus work site per semester. For example: If a student is interested in business and in a teaching field, one semester of the senior year could be devoted to a business site and one semester could be devoted to a cadet teaching site. If a student is interested in business and the medical field, that student may spend one semester at a business site and one semester in a medical field but will not be able to participate in the cadet teaching program. If a student is interested in teaching, they can enroll for both semesters in the cadet teaching program, but will not be eligible for an apprenticeship placement. Students must follow all the specific rules set by their participating sites and be passing the class in order to leave and be an active participant in the program. All permission and release information needs to be signed and in place before the students are allowed to go to their sites. Students must hand in regularly and on time the required projects for this class including time logs and journals. If a student is not passing the class and/or not following the rules specified by their site, they will remain in a school setting and work individually on required assignments dealing with career interests and expectations.
PREREQUISITE: The student must:

1. be a senior eligible for graduation with his/her class
2. attend the mandatory meetings (1-2 per semester)
3. complete and return an application form and be accepted into the program based on their attendance and discipline record
4. after being accepted, must assist in seeking a site for a work experience/apprenticeship/cadet teaching which meets qualifications and interests of the student in relation to his/her career objectives and the availability of the job site to provide an appropriate learning experience
5. must continue to be in good standing with handing in all required work.
6. Any student failing Career Exploration for more than two weeks will not be allowed to participate in Career Exploration the following semester.

GRADE LEVEL: 12

COURSE DESCRIPTION: This course provides a senior the opportunity to learn more about a particular occupation of interest. Students will receive on-the-job training and career exposure provided by a job or teaching mentor. This experience is designed for students who have demonstrated an interest in a particular occupation or field through the results of interest inventory tests, and/or having prepared for a career in a particular field due to the types of courses taken in high school. Students may elect to participate for one or both semesters and the time spent at the worksite will be based on a student's interests, scheduling opportunities, and availability of the on-the-job experience. Students will receive pass/fail credit on a scale where passing is 69%. This educational experience is not meant as a regular employment, therefore, students will not be paid.

COURSE NUMBER: HS126

COURSE TITLE: MOC

COURSE LENGTH: Semester (2 credits) or Year (4 credits)

PREREQUISITE: None

GRADE LEVEL: 12

COURSE DESCRIPTION: MOC is a cooperative training program with areas in business and industry. Students involved in this course work a minimum of 2 consecutive blocks per day, learning specific career related skills and attitudes. Students may be asked to work past the school day by the employer. This type of placement is based on the student's career interests and skills. Participating MOC sites will negotiate the rate of pay with the individual student based on the skill level of the student and the activities the student will be performing at the site. The school does not play a role in the amount of pay an individual student receives. Some career areas will have an age requirement of 18 based on US Department of Labor Laws.

Students must follow all the specific rules set by their participating sites and be passing the academic portion of this class to be eligible to participate in the program. The academic portion will be online modules that will be completed independently by the student including but not

limited to teamwork, problem solving, job application, time management, listening skills, etc.

Students acceptance into the program will be based on attendance and skill level. One accepted to the program, students will work closely with the instructor to match interest areas and will be encouraged to choose a site that will benefit them in their preferred career area. Placements cannot be with family businesses or sites where a parent is employed in that specialty area. All MOC placements will need to be completed by August 1 of the school year for the fall semester.

WITCC IN PERSON CLASSES

It is the responsibility of the student to verify that any dual credit course transfers to their future college and/or educational program.

HEALTH CARE / NURSING EDUCATION

COURSE NUMBER: HS1403
COURSE TITLE: **Medical Terminology**
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - HSC 114
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This self-directed learning course introduces professional medical vocabulary through the study of word elements, spelling, pronunciation via audio cassettes, specialized diagnosis and treatment terms. Includes all body systems, diagnostic procedures and basic pharmacology. This presents medication terminology as the language of medicine. Studies spelling, pronunciation and usage, emphasis on word analysis and construction of definitions.

COURSE NUMBER: HS1404
COURSE TITLE: **1st Aide/1st Responders**
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Students must be 17 years old before the class starts
CREDITS: WITCC 2 Credits - EMS 114 Emergency Medical Responder
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course emphasizes the development of student skills in emergency medical care procedures. Includes life threatening emergencies, injuries to various body parts, techniques of moving patients, CPR-BLS, Mandatory Reporter, and blood borne pathogens. Successful completion of course requirements allows students to write certification examinations for EMS First Responder.

CONSTRUCTION TRADES

COURSE NUMBER: HS1505
COURSE TITLE: **Welding**
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 11 or 12
LOCATION: High School
CREDITS EARNED: WITCC 2 Credits - WEL 423 Intro to GMAW
COURSE DESCRIPTION: This is a dual credit course taught by WITCC. This course combines lecture and lab activities to present the Gas Metal Arc Welding (MIG) process used extensively by industry. It emphasizes hands-on applications, metal transfer concepts, GMAW equipment, and safety.

COURSE NUMBER: HS1506
COURSE TITLE: **Welding II**
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 11 or 12
LOCATION: High School
CREDITS EARNED: WITCC 3 Credits - WEL 147 ARC Welding Intro (SMAW)
COURSE DESCRIPTION: This is a dual credit course taught by WITCC. This is the first of two courses designed for students to prepare for the American Welding Society Certification. A combined lecture and lab course. Studies safety, heat settings, polarity, and the proper selection of electrodes in the arc welding process. Covers welding on carbon steel plates using visual and destructive methods of determining weld quality to AWS Standards.

COURSE NUMBER: HS1507
COURSE TITLE: **Welding III**
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Welding II
GRADE LEVEL: 12
LOCATION: High School
CREDITS EARNED: WITCC 3 Credits - WEL 148 ARC Welding Intermediate (SMAW)
COURSE DESCRIPTION: This is a dual credit course taught by WITCC. This is the second of two courses designed for students to prepare for the American Welding Society Certification. A combined lecture and lab course. Studies safety, heat settings, polarity, penetration welding, horizontal and vertical welding, and the proper selection of electrodes in the arc welding process. Covers welding on carbon steel plates using visual and destructive methods of determining weld quality to AWS standards.

AUTO BODY AND MECHANICS

COURSE NUMBER: HS1700A/HS1700B
COURSE TITLE: **Auto Body**
COURSE LENGTH: Year (90 Minutes Daily), Four Credits
PREREQUISITE: None
GRADE LEVEL: 11, 12
LOCATION: Auto Tech Center
CREDITS EARNED: WITCC 10 Credits - CRR 102 Sheet Metal Welding and Cutting, CRR 811 Surface Preparation, and CRR 323 Sheet Metal Fundamentals
COURSE DESCRIPTION: Sheet Metal Welding and Cutting
This course will provide a working knowledge of oxyacetylene usage, MIG welding, along with TIG welding procedures. Specific welding procedures producing necessary weld constructions used in the automotive trade will be emphasized. The student develops skills through practice when completing industry accepted automotive welds on 22 gauge mild steel.
Surface Preparation
This course combines lecture and lab activities to introduce the basic procedures of surface preparation for refinishing. Techniques demonstrated include cleaning, sanding, and use of power tools and paint equipment. Students learn to use abrasives, undercoats, solvents and basecoat/clearcoat topcoats, and techniques of color sanding and polishing.
Sheet Metal Fundamentals
This course provides the student with the basic theory of metal straightening, tool skill development, auto body nomenclature, and the materials commonly used to complete the repairs. Students practice roughing, shaping, sheet metal fabrication, metal finishing, and the use of body fillers on automotive body panels.

COURSE NUMBER: HS1702A/HS1702B
COURSE TITLE: **Adv. Auto Body**
COURSE LENGTH: Year - (90 minutes daily), Four Credits
PREREQUISITE: Auto Body
GRADE LEVEL: 12
LOCATION: Auto Tech Center
CREDITS EARNED: WITCC 9 Credits - CRR 411 Interior Body Construction, CRR 403 Exterior Body Construction, and CRR 202 Plastic Repair
COURSE DESCRIPTION: Interior Body Construction
This course provides instructions and practice in the servicing of dash assemblies, headlines, seats and seat belts, interior trim, and door hardware. The removal and installation of automotive glass and trim will be practiced.
Exterior Body Construction

This course provides instructions and practice in methods of adjusting and aligning bumpers, maps, doors, fenders, and exterior body panels. Emphasis is placed on the fit of fenders, doors, hoods, deck lids, grills, and the servicing of hinges and latches.

Plastic Repair

This course provides students with the knowledge necessary to identify and repair the various plastic and fiberglass panels used in modern vehicle construction.

AIR CONDITIONING, HEATING AND REFRIGERATION

COURSE NUMBER: HS468
COURSE TITLE: Heating Fund/Electrical Theory
COURSE LENGTH: Semester (90 minutes daily), Two Credits
PREREQUISITE: None
GRADE LEVEL: 11, 12
LOCATION: WITCC
CREDITS EARNED: WITCC 6 Credits - HRC 112 Heating Fundamentals and ELE 112 Basic Electrical Theory
COURSE DESCRIPTION: Heating Fundamentals
This course covers fundamental principles and skills for all common heating systems. This course is a combined lecture and lab course and includes discussions and demonstrations in heating fundamentals. Safety is greatly emphasized as students are working with actual voltages, and working equipment. Corequisite ELE 112
Basic Electrical Theory
This course will introduce the students to the fundamentals of electricity. Electrical topics will include AC and DC theory. Ohm's Law, Electrical Circuits, Electrical Power Generation, Motors and Transformers. This course emphasizes electrical safety as students will work with energized circuits.

COURSE NUMBER: HS469
COURSE TITLE: Fund. of Refrigeration/Heat Pumps
COURSE LENGTH: Semester (90 minutes daily), Two Credits
PREREQUISITE: Heating Fund/Electrical Theory
GRADE LEVEL: 11, 12
LOCATION: WITCC
CREDITS EARNED: WITCC 6 Credits - HRC 305 Fundamentals of Refrigeration and HRC 140 Heat Pumps
COURSE DESCRIPTION: Fundamentals of Refrigeration
This course is a combined lecture and lab course covering the theory and laws governing refrigeration, the operation of refrigeration systems, heat transfer, components, and test equipment. It also covers the different

soldering and brazing methods and materials used in refrigeration service. Emphasis is on the recovery, recycling and charging methods used.

Corequisite: ELE 112

Heat Pumps

This course is a combined lecture and lab course introducing reverse cycle heating and the components and controls of this popular heat source. This course covers auxiliary heat, C.O.P., installation and maintenance of air-to-air and ground source systems, and includes system writing and electrical troubleshooting. Corequisite: ELE 112

LAW ENFORCEMENT/POLICE SCIENCES

COURSE NUMBER: HS1060
COURSE TITLE: **Intro to Criminal Justice**
COURSE LENGTH: Semester, Once Credit
CREDITS: WITCC 3 Credits - CRJ 100
PREREQUISITE: None
GRADE LEVEL: 11 or 12
COURSE DESCRIPTION: This course studies the history of law enforcement and respective agencies and the basic theories of criminal behavior as well as law enforcement terminology and technology. It emphasizes the duties and responsibilities of the law enforcement officer to the individual and society as a whole and explores and defines techniques, technical terms, and basic procedures. This introductory course is a great starting point for students that are considering careers in law enforcement or security.

COURSE NUMBER: HS3201
COURSE TITLE: **Ethics in Criminal Justice**
COURSE LENGTH: Semester, One Credit
CREDITS: WITCC 3 Credits - CJR 101
PREREQUISITE: None
GRADE LEVEL: 11 or 12
COURSE DESCRIPTION: This course covers the ethical standards and codes of professional behavior for police officers and others placed in positions of public trust. The course includes use of force, gratuities, intra- and inter-agency conduct, integrity, ethical necessity of due process and on-duty and off-duty conduct.

ELEMENTARY/SECONDARY EDUCATION

COURSE NUMBER: HS4105
COURSE TITLE: **Foundations of Education (College)**
COURSE LENGTH: Semester, One Credit

PREREQUISITE: None
CREDITS: WITCC 3 credits - EDU 210
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course is an introduction to professional education providing a historical and philosophical background from which the student can examine his or her own commitment to education. Challenges and issues in education today will be discussed in the context of school organization, funding, curriculum, professionalism, legal issues, and effective teacher characteristics.

COURSE NUMBER: HS4106
COURSE TITLE: **Human Relations Classroom Teacher (Coll)**
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - EDU 220
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course includes interpersonal and intergroup relations and contributes to the development of sensitivity to and the understanding of the values, beliefs, lifestyles and attitudes of individuals and the diverse groups found in a pluralistic society and within current education settings. This course is a required component of Iowa Teacher Licensure.

WITCC ONLINE CLASSES

It is the responsibility of the student to verify that any dual credit course transfers to their future college and/or educational program.

COURSE NUMBER: HS609
COURSE TITLE: **College Algebra**
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Meet one of the following:
1) Take MAT-102
2) ACT Math of 21
3) ALEKS of 32.
CREDITS: WITCC 3 credits - MAT 121
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course addresses linear functions and inequalities, quadratics, conics, polynomials and rational functions, exponential and logarithmic functions, linear systems, matrices and determinants. Additional topics may include sequences, series, permutations, combinations, and probability.

COURSE NUMBER: HS4102
COURSE TITLE: **Statistics (College)**
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Meet one of the following:
1) MAT 111 or MAT 121
2) ACT Math of 22
3) ALEKS score of 28
CREDITS: WITCC 3 credits - MAT 156
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course is designed to provide the student with a foundation in statistical concepts and procedures. The emphasis is on descriptive statistics, probability, binomial and normal distributions, elementary sampling theory, hypothesis testing, and linear regression. Prerequisite: Meet one of the following 1) ACT Math of 22 or 2) ALEKS of 28.

COURSE NUMBER: HS1011
COURSE TITLE: **Intro to Sociology (College)**
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - SOC 110
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course is a survey of the fundamental concepts used in the study of human social interaction with emphasis on group aspects of social behavior. Subject areas include research methods, theory, culture and social structure, socialization, groups and formal organizations, deviance and social control, stratification, race and ethnicity (including whiteness), major social institutions, and social change.

COURSE NUMBER: HS4013
COURSE TITLE: **Art Appreciation (College)**
COURSE LENGTH: Semester, One Credit
REQUIREMENTS: See Academic Requirements on page 10
CREDITS: WITCC 3 credits - ART 101
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course explores the creative process emphasizing art as a visual form of communication. It presents useful criteria for evaluation and enjoyment of art through the development of visual vocabulary and knowledge of art processes, as well as art in a historical context.

COURSE NUMBER: HS4014
COURSE TITLE: **Music Appreciation (College)**
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - MUS 100

GRADE LEVEL: 11, 12
COURSE DESCRIPTION: A general course designed to make the student more aware of musical form, media, genres, musical periods, and the essential role of music in life and culture. Emphasizes the development of tools for intelligent listening and appreciation.

COURSE NUMBER: HS 502
COURSE TITLE: [Public Speaking \(College\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - SPC 112
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: The course combines theory of speech communication with public speech performance skills. Emphasis is on speech delivery, preparation, organization, support, and audience analysis. Practice of skills is through presentation and exercise.

COURSE NUMBER: HS4011
COURSE TITLE: [U.S. History to 1877 \(College\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - HIS 151
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course is an introduction to the basic people, issues, movements, and events which shaped the American experience from Pre-Columbian times to the Civil War and Reconstruction.

COURSE NUMBER: HS4116
COURSE TITLE: [U.S. History since 1877 \(College\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits-HIS152
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: An introduction to the basic people, issues, and events which shaped the American experience from the Reconstruction era to the present.

COURSE NUMBER: HS1088
COURSE TITLE: [West Civ: Early Mod/Pres \(College\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - HIS 111
GRADE LEVEL: 11, 12

COURSE DESCRIPTION: This course surveys Western history from the age of Enlightenment in the Eighteenth century to present day.

COURSE NUMBER: HS4007

COURSE TITLE: World Regional Geography (College)

COURSE LENGTH: Semester, One Credit

PREREQUISITE: None

CREDITS: WITCC 3 credits - GEO 121

GRADE LEVEL: 11, 12

COURSE DESCRIPTION: This course is a geographic survey of nations and continents with an emphasis on important physical characteristics of the major regions of the world. Attention is devoted to demographic, economic, political, and cultural development and the consequent contemporary relationship with each other.

COURSE NUMBER: HS4104

COURSE TITLE: Introduction to Ethics (College)

COURSE LENGTH: Semester, One Credit

PREREQUISITE: None

CREDITS: WITCC 3 credits - PHI 105

GRADE LEVEL: 11, 12

COURSE DESCRIPTION: This course introduces fundamental theories of moral behavior and examines important concepts and arguments used in moral reasoning, and applies ethical theories to contemporary personal and social issues.

COURSE NUMBER: HS4118

COURSE TITLE: Educational Psychology (College)

COURSE LENGTH: Semester, One Credit

PREREQUISITE: Intro to Psychology (College) is recommended

CREDITS: WITCC 3 credits - EDU 240

GRADE LEVEL: 11, 12

COURSE DESCRIPTION: This course applies the principles of psychology in the field of education to classroom contexts. Topics include child/adolescent development, learning, motivation, instructional techniques, and assessment/evaluation.

COURSE NUMBER: HS4122

COURSE TITLE: Technology in the Classroom (College)

COURSE LENGTH: Semester, One Credit

PREREQUISITE: none

CREDITS: WITCC 3 credits - EDU 255

GRADE LEVEL: 11, 12

COURSE DESCRIPTION: This course introduces prospective teacher-prep candidates and other interested students to a variety of digital tools and Internet resources

along with best practices in the use of tools and technologies for classroom-related functions. The course focuses on both current theory and issues as well as on providing experiences that will enable the student to select and evaluate software and hardware for the classroom.

COURSE NUMBER: HS1400
COURSE TITLE: [Intro to Health Occupations](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - HSC 109 (Health Careers and Teams)
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: Presents characteristics and skills that are needed in the preparation and employability of persons in the health care setting. Provides an overview of the healthcare industry, current healthcare trends/issues, and options for career choices. Discusses the work environment as it relates to health and safety regulations.

COURSE NUMBER: HS1408
COURSE TITLE: [Nurse Aide/Clinical](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Students must 16 years old before the class starts
CREDITS: WITCC 4 Credits - HSC 173 (3 credits) & HSC 174 (1 credit)
GRADE LEVEL: 11, 12 with 12th graders getting priority
COURSE DESCRIPTION: [Nurse Aide](#)
This course is designed to provide the student with the fundamentals of patient care in the healthcare environment. Students learn basic anatomy, physiology, medical terminology, meeting human needs, safety measures, infection control, and physical care.
[Nurse Aide Clinical](#)
This course is designed to provide the student with the fundamentals of patient care in the healthcare environment. Students learn basic anatomy, physiology, medical terminology, meeting human needs, safety measures, infection control, and physical care.
Students will be required to do 1800 minutes of clinical work outside the school for this class.

COURSE NUMBER: HS4111
COURSE TITLE: [Essentials of Anatomy & Physiology \(College\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 4 credits - BIO163
GRADE LEVEL: 11, 12

COURSE DESCRIPTION: This is a terminal one-semester lecture and lab course covering the structure and function of the human organ systems and their organs. It also includes an introduction to medical terminology, homeostasis, basic cell and tissue structure and function. Students are required to identify specific organs including the major bones, the major muscles and the major blood vessels.

COURSE NUMBER: HS4006

COURSE TITLE: Human Anatomy Physiology (College)

COURSE LENGTH: Semester, One Credit

PREREQUISITE: Meet ONE of the following:

1) ACT Composite of 22 or higher

2) 2 semesters of High School Biology with a B- or better

3) Completion with a C- or better in BIO 163 Essentials of Anatomy & Physiology

4) Instructor Permission to enroll in the course

CREDITS: WITCC 4 credits - BIO 168

GRADE LEVEL: 11, 12

COURSE DESCRIPTION: This is a combined lecture and lab course that explores the relationship between structure, function and homeostasis in the human body. This course covers the skeletal, muscular, integumentary, and nervous systems, as well as cytology and histology.

COURSE NUMBER: HS4003

COURSE TITLE: Nutrition (College)

COURSE LENGTH: Semester, One Credit

PREREQUISITE: Meet ONE of the following:

1) ACT Composite of 22 or higher

2) 2 semesters of High School Chemistry with a B- or better OR 1 semester of High School Chemistry with a B- or better and 1 semester of High School Biology with a B- or better

3) Completion with a C- or better in BIO 163 Essentials of Anatomy & Physiology or Chemistry (CHM 122 or higher)

4) Instructor Permission to enroll in the course

CREDITS: WITCC 4 credits - BIO 151

GRADE LEVEL: 11, 12

COURSE DESCRIPTION: This course presents the relationship between proper nutrition and good health. Topics covered include digestion, absorption, and metabolism of carbohydrates, lipids and proteins. Also included are vitamins, minerals, physical activity, maintenance of a healthy body weight, nutritional needs throughout the entire life cycle, and evaluation of nutritional claims.

COURSE NUMBER: HS4107
COURSE TITLE: [Survey of Animal Industry \(College\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - AGS 113
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This lecture course introduces the student to the global animal science industry. All specialized areas of animal science will be studied including nutrition, reproduction, genetics, health, and behavior. All major domesticated species of animals will be available for study.

COURSE NUMBER: HS4108
COURSE TITLE: [Animal Nutrition \(College\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - AGS 319
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course is a comprehensive study of animal nutrition. Topics include digestive systems, feedstuffs, processing, nutrition values, ration formulation and practical application.

COURSE NUMBER: HS4109
COURSE TITLE: [Beef Cattle Science \(College\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - AGS 226
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course will provide students an understanding of the retail beef industry. Students will learn concepts related to the important management decisions cow-calf, yearling-stocker producers must make. Also included are animal health concerns including prevention and treatment strategies. Proper ruminant nutrition balance rations and forage management will also be discussed.

COURSE NUMBER: HS4110
COURSE TITLE: [Farm Business Management \(College\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - AGB 330
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course is a study of the use of the principles of farm management in developing a farm or farm business operation.

COURSE NUMBER: HS4112
COURSE TITLE: [Principles of Agronomy \(College\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - AGA 114
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course presents the information necessary to understand the reasons and methods of soil and crop management. The course provides answers to practical crop production questions and introduces students to further study of the sciences involved.

COURSE NUMBER: HS4113
COURSE TITLE: [Intro Agricultural Markets \(College\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - AGB 235
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course is an overview of the structure, economics, organization, and function of the world food marketing system. Topics in past, present and future domestic and worldwide market issues are discussed. The course examines how the marketing system is influenced by governmental and private policy and effects those policies have on producers, commodity handlers, processors, middlemen, and consumers. Basic marketing and merchandising strategies are also covered.

COURSE NUMBER: HS4114
COURSE TITLE: [Prin. of Management \(College\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - MGT 101
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course introduces students to the role of planning, organizing, staffing, directing, and controlling in formal and informal organizations of all sizes. This course presents theoretical bases and real world examples of implementation.

COURSE NUMBER: HS4117
COURSE TITLE: [Principles of Selling \(College\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - MKT 140
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course introduces the basic fundamentals of selling. The significant role of selling in our economy is stressed. Effective methods and

procedures dealing with how to sell ethically and how to build long-term relationships with customers will be covered.

COURSE NUMBER: HS4119
COURSE TITLE: [Intro to Keyboarding/Calculators \(Coll\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 1 credits - ADM 105 & ADM 131
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: [Introduction to Keyboarding](#)
This course emphasizes keyboard mastery. It was designed to develop accuracy, speed, and control of the keyboard. Through completion of the lessons, students advance toward a minimum competency level of 30 gross words per minute (GWAM) on a 3-minute official time with a maximum of 3 errors. The alphabetic keys are reviewed three times. Every lesson contains exercises of 15-sec., 30-sec., and 1-3 minutes timings. Students are encouraged to meet the speed and accuracy goals in each exercise before continuing on to the next exercise. Progress Reports help students evaluate their progress. Using the backspace key and correcting errors is not allowed.
[Office Calculators](#)
This course teaches students how to use the numeric keypad with speed and accuracy using industry standards for data entry. Attaining proficiency on three employment tests used by three large interstate corporations helps the student meet employment standards.

COURSE NUMBER: HS4120
COURSE TITLE: [Office Procedures \(College\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - ADM 162
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course familiarizes the student with the many dimensions of the professional secretary's position in a modern day office, such as personal traits, telephone skills, communication processing capabilities, office supplies and equipment, and material utilization. The specific job skills introduced are utilization of business resources, making travel arrangements, arranging meetings and conferences and performing banking responsibilities. The student will be equipped to handle these functions in a modern day office, and will refine skills associated with communication effectively in the office.

COURSE NUMBER: HS4121
COURSE TITLE: [Intro to Accounting \(College\)](#)
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
CREDITS: WITCC 3 credits - ACC 111
GRADE LEVEL: 11, 12
COURSE DESCRIPTION: This course is designed to teach the key concepts and skills required to record a variety of accounting entries for both a service and merchandising business, to prepare financial statements, to record payroll entries, to prepare payroll records and to utilize good cash management skills. The skills learned will prepare students for direct job entry as small business owners and entrepreneurs. These accounting concepts are applied to a variety of companies.