



Course Descriptions

2022-2023

Updated January 9, 2023

NOTICE OF NONDISCRIMINATION

Students, parents, employees and others doing business with or performing services for the West Central Community School District are hereby notified that this school district does not discriminate on the basis of race, color, national origin, religion, sex, disability, sexual orientation, gender identity, marital status, or age (except students), in admission or access to, or treatment in, its programs and activities.

The school district does not discriminate on the basis of race, color, national origin, religion, sex, disability, sexual orientation, gender identity, marital status, or age (except students), in admission or access to, or treatment in, its hiring and employment practices. Any person having inquiries concerning the school district's compliance with the regulations implementing Title VI, Title VII, Title IX, the Americans with Disabilities Act (ADA), § 504 or Iowa Code § 280.3 is directed to contact:

Attn: Superintendent
 305 Pember St
 Maynard, IA 50655
 (563) 637 - 2294

who has been designated by the school district to coordinate the school district's efforts to comply with the regulations implementing Title VI, Title VII, Title IX, the ADA, § 504 and Iowa Code § 280.3 (2007).

COLLEGE ATHLETIC ELIGIBILITY

To be eligible for NCAA college athletics, you must:

- Graduate from high school.
- Earn a grade point average of at least 2.00 (on a 4.00 scale) in a core curriculum of at least 13 academic courses successfully completed during grades 9 through 12. Only courses listed as approved on the West Central “List of NCAA Approved Core Courses” can be used to calculate your NCAA GPA. No special values are allowed for “+” or “-“ grades. The chart below indicates the number of years of NCAA core courses that must be completed.

	Division 1	Division 2
English Core	4 years	3 years
Math Core (Algebra 1 or higher)	2 years	2 years
Science Core (One year Lab Science)	2 years	2 years
Social Science Core	2 years	2 years
From English, Math, or Science	1 year	2 years
Additional academic courses (in any of the above areas or foreign language, computer science, philosophy or non-doctrinal religion)	3 years	3 years
Total Core Units Required	14	14

- West Central NCAA approved core courses can be found on the NCAA website: www.ncaaclearinghouse.net, selecting the “prospective student-athletes” link, and then selecting “Lists of Approved Core Courses”. West Central’s school code is 52779

- For Division II you must earn a sum of scores of at least 68 on the ACT or a combined score of 820 on the SAT, there is no sliding scale.
- For Division I you must have a core-course grade-point average and a sum score on the ACT based on the qualifier index scale below:
- Incoming college freshman will also have to satisfy amateurism eligibility requirements. Details on those requirements can be found on the NCAA’s website www.NCAA.org or in the “Guide for the College-Bound Student-Athlete”.

You are responsible for obtaining the “Guide for College-Bound Students-Athlete” from the school website, understanding eligibility guidelines and meeting all criteria.

Core GPA	ACT Sum		Core GPA	ACT Sum
2.50 and above	68		2.225	78
2.475	69		2.200	79
2.450	70		2.175	80
2.425	70		2.150	80
2.400	71		2.125	81
2.375	72		2.100	82
2.350	73		2.075	83
2.325	74		2.050	84
2.300	75		2.025	85
2.275	76		2.000	86

WEST CENTRAL OF MAYNARD CSD
CREDITS NEEDED FOR HIGH SCHOOL GRADUATION

48 Credits Required To Graduate

COMPUTER LITERACY	1 Credit 1 Semester	Keyboarding or a course in computer science.
FINE ARTS	1 Credit 1 Semester	Band or Vocal Music or Art
LANGUAGE ARTS	8 Credits 8 Semesters	Must include 2 semesters of English 9, 2 semesters of English 10, 1 semester of Speech, Public Speaking, Communication Skills, Contemporary Literature, Workplace Communication
MATHEMATICS	6 Credits 6 Semesters	2-Semesters: Pre-Algebra or Algebra I or Modern Geometry
FINANCIAL LITERACY	1 Credit 1 Semester	Life Skills or General Business II or Consumer Economics or a college Finance Class or Microeconomics
PHYSICAL EDUCATION	2 Credits 8 Semesters	1/4 credit per semester—may be waived for sports participation or a full academic class load.
SCIENCE	6 Credits 6 Semesters	2-Semesters – Physical Science 2-Semesters – Environmental Science
SOCIAL STUDIES	7 Credits 7 Semesters	Must include 2 semesters of American History, 2 semesters of a World-related course, 1 semester of American Government, and 1 semester of Economics
ELECTIVES	16 Credits 16 Semesters	You will need more electives if any of your PE credits were waived.
<u>TOTAL CREDITS REQUIRED FOR GRADUATION</u>	48 CREDITS	

History/Government Course Descriptions

American Government

A one-semester, 1 credit elective course available to students that are in grades 11-12 and to students in grade 10 that have special granted permission. Prerequisite: None. The American Government course is a graduation requirement. Students study all aspects of the United States government. The Constitutional key concepts and the three branches of our government will be covered in depth. Students will analyze the historical basis of our government, while comparing our political and economic system to other systems in the world today.

Current Events

A one-semester, 1 credit elective course available to students that are in grades 9-12. Prerequisite: None. Students analyze a plethora of events within the past decade. We analyze current happenings in the news, while studying past historical root causes. The curriculum changes from semester to semester based on current local, national, and world occurrences.

World Cultures

A two-semester, 2 credit elective course available to students in grade 10. Prerequisite: None. This course counts as a World History credit for Social Studies. Students study the geographical, historical, economic and political structures of regions throughout the world. Through the in-depth study of these regions students learn the major characteristics of different cultures in our world today, while also having a strong understanding for the reasons such distinct cultures have formed.

World Geography

A one-semester, 1 credit elective course available to students that are in grades 10-12. Prerequisite: None. This course counts as a World History credit for Social Studies. The course is based around teaching the five themes of geography: location, place, region, movement, and human-environment interaction. Students will learn how geographic factors influence human behaviors.

Street Law

A one-semester, 1 credit elective course available to students that are in grades 10-12. Prerequisite: None. Students study a variety of different types of law. They will analyze civil, criminal, family, consumer, and housing law. There are also a variety of other mini lessons such as purchasing car insurance that have real world relevance.

Recent American History

A two-semester, 2 credit elective course available to students that are in grades 10-12. Prerequisite: 9th Grade American History. This course studies American History post-Vietnam War to present. The course is taught in units organized around presidencies. Numerous major events will be covered such as The Cold War, Iranian Revolution, Iran-Iraq War, The Gulf Wars, War on Terror, etc.

Consumer Economics

A one-semester, 1 credit course available to students that are in grades 10-12. Prerequisite: None. This course counts as a financial literacy credit. Students will cover a wide variety of topics that help with finances. Some of the many topics covered include: how to do your taxes, risk & rewards of numerous types of investments, credit & credit scores, budgeting, social security, and a variety of insurances.

Introduction to Psychology (PSY:111) 3 college credits/1 high school)

A survey of psychology including theoretical and experimental findings and applications from areas such as physiology, learning, memory, personality, social, abnormal, therapy and health psychology. One semester course offered yearly Fall 23

Psychology of Human Relations (PSY:112) 3 college credits/1 high school)

Covers all types of interactions among people-their conflicts, cooperative efforts, and group relationships. It is the study of the beliefs, attitudes, and the behaviors that cause interpersonal conflict in our personal lives and work situations. One semester offered every other year- Spring 24

Developmental Psychology (PSY:121) 3 college credits/1 high school)

An introductory course in human growth and development throughout the lifespan. The developmental stages include prenatal, infancy/toddlerhood, early and middle childhood, adolescence, early, middle, late adulthood and death and dying. One Semester offered every other year- Spring 23

Art Course Descriptions

Senior Show-A two-semester, 2 credit elective course available to students, grade 12. Prerequisite: None. Projects are hands-on which promotes individual independence while encouraging students to become creative thinkers. The student will create a body of work that is displayed at the end of the year.

Drawing-

A one-semester, 1 credit elective course available to students, grades 9-12. This course is offered during semester one. Prerequisite: None. This course provides students with a comprehensive study of many drawing units. Projects are hands-on which promotes individual independence while encouraging students to become creative thinkers. Units include: Value, elements of art, principles of design, color theory

Painting-

A one-semester, 1 credit elective course available to students, grades 9-12. This course is offered during semester two. Prerequisite: None.

Wheel Throwing-

A one-semester, 1 credit elective course available to students, grades 9-12. This course is offered during semester one. Prerequisite: None.

Hand-Building-

A one-semester, 1 credit elective course available to students, grades 9-12. This course is offered during semester two. Prerequisite: None. Hand building is a ceramic class building with only your hands, not on the wheel. Primarily using coiling, pinching, relief or slab methods.

Crafts-

A one-quarter, 0.5 credit elective course available to students, grades 9-12. Offered during quarter 4, this course provides students with knowledge of crafting using multiple art mediums such as wood burning, string art, painting, drawing, and mixed media.

Photography-

A one-quarter, 0.5 credit elective course available to students, grades 9-12. This course is offered during quarter 3. This course provides students with the basic knowledge of photography while learning the principles of design.

Digital Drawing-

A one-quarter, 0.5 credit elective course available to students, grades 9-12. This course is offered quarter 2.

Business Course Descriptions

Accounting (high school) is a one- semester, 2 credit, elective course available to students grades 11-12. Prerequisite: None. This course provides students with the principles of bookkeeping and accounting to prepare them for further education in the field. Emphasis is on the analysis of transactions and recording them in journals and subsidiary ledgers.

Keyboarding I

A one-semester, 1 credit, required course available to students, grades 9-12. Prerequisites: None. Students will first review main parts of the computer, proper keyboarding techniques and in time, improve accuracy and speed in their keyboarding abilities. Also, students will learn how to type and format a variety of personal and business letters, reports, tables, and outlines. Along with keyboarding, students should improve their proofreading and correcting skills.

Advanced Keyboarding

A two-semester, 2 credit, elective course available to students, grade 12. Prerequisite: Keyboarding I & Computer Business Apps. This class is responsible for the production of the school yearbook. Through instruction in this course, the student will learn how to operate a digital camera, use various computer software programs, become familiar with the materials needed to prepare a publication, arrange eye-appealing materials, create and format various business documents, and learn to work with his/her peers in a dependable, responsible manner.

General Business I

A one semester, 1 credit, elective course available to students, grades 9-12. Prerequisite: None. This class covers basic business principles including economic systems, economic roles, economic measurements, management, marketing, business structures, international business, human resources, and financial reports.

General Business II

A one semester, 1 credit, elective course available to students, grades 9-12. Prerequisite: None. This class features information on consumers, personal finance (bank accounts and savings strategies), risk management (insurance), and credit. This course meets the Iowa financial literacy requirement.

Intro to Accounting (ACC-115)

A one- semester, **3 college credit**, elective course available to students grades 11-12. Prerequisite: HS Intro to Accounting. This course builds upon the content learned in high school Intro to Accounting course. It provides students with the principles of bookkeeping and accounting to prepare them for further education in the field. Emphasis is on the analysis of transactions and recording them in journals and subsidiary ledgers. Additional topics include payroll records, income and social security taxes and the introduction of computerized accounting through the use of spreadsheets.

Employability Skills (WBL-110)

A one-semester, **2 college credit** course available to students, grades 10-12. Basic introduction to skills necessary for an entry-level employment position. Students will do job searches, prepare resumes and a career portfolio, and learn helpful tips for applying, interviewing and getting a job.

Information Computing (CSC-116)

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). Students will explain the components of an Information System (IS), demonstrate word processing techniques, skills in spreadsheet applications and database management. illustrate a presentation and discuss the strategies and security of an Information System (IS).

Intro to Computer Business Applications (BCA-212)

A one-semester, **3 college credit** course available to students grades 9-12. Prerequisite: Keyboarding I. An overview of application software concepts through hands-on exercises using business application software. Stresses practical use of spreadsheet, word processing, database, and graphic programs.

Science Course Descriptions

Physical Science

A two-semester, 2 credit course taken by students, 9th grade. Prerequisite: _____. This course covers topics from chemistry and physics including atoms, molecules, the periodic table, chemical reactions, nuclear reactions and nuclear power, Newton's 3 laws of motion, gravity, momentum, energy, heat & temperature, as well as waves.

Biology

A two-semester, 2 credit course taken by students in 11th grade. Prerequisite: _____. This course covers topics from photosynthesis, cellular respiration, homeostasis, DNA replication, mitosis, genetics, evolution, natural selection, adaptation, behavior, human activity in the environment, and human anatomy.

Environmental Science

A two-semester, 2 credit course available to students in 10th grade. Prerequisite: _____. This course covers topics including nuclear fusion, life cycles of stars, geological time-line of Earth, fossils, cycles of Earth, landforms, weather, climate, sustainability, and environmental issues.

Computer Science

A two-semester, 2 credit course available to students in 10th grade. Prerequisite: none. This course covers topics including coding, the internet, web design, game design, programming, careers in computer science, data analysis, and robotics. Students can take this class multiple times and create individual projects that fit their interests and skill level.

Chemistry

A two-semester, 2 credit elective course available to students grades 11-12 odd years. Prerequisite: physical science. Learn how the materials in your life change, such as iron to rust on your car or how a battery is constructed. This course covers topics from atomic and electronic structure of atoms, nuclear reactions, periodic trends, molecular structure, heat & calorimetry, mole calculations (stoichiometry), acids & bases, reaction rates, and some organic chemistry.

Intro to Chemistry and Lab (CHM 110 & 111)

A one-semester, **4-credit college** elective course available to students grades 11 & 12 even years in the spring. Prerequisite: first semester of high school chemistry. This course covers topics from atomic and electronic structure of atoms, nuclear reactions, periodic trends, molecular structure, heat & calorimetry, mole calculations (stoichiometry), acids & bases, reaction rates, and some organic chemistry. There is an extended lab period one day a week.

Physics

A two-semester, 2-credit elective course available to students grades 11-12 even years. Prerequisite: physical science. Learn how energy and matter interact so you can do useful things. This course covers topics from kinematics (laws of motion), gravity and planetary motion, momentum, energy, electricity, magnetism, waves (sound and optics), some fluids and some thermodynamics (heat & engines).

Survey of Physics including lab (PHY 106)

A one-semester, **4-credit college** elective course available to students grades 11 & 12 odd years in the spring. Prerequisite: first semester of high school physics. This course covers topics from kinematics (laws of motion), momentum, energy, electricity, magnetism, waves (sound and optics), and thermodynamics (heat & engines). There is an extended lab period one day a week.

Health Course Descriptions

Health I

A one-semester, one credit elective course available to students, grades 10-12. Prerequisite: None. This course prepares the student to assess their own lifestyle, personality, ability to deal with stress and at-risk behaviors. Skills that students will develop include intervention skills for substance abuse, skills for stress management, how to build self-esteem, eating disorders, and dealing with loss and depression. This course is open to any sophomore through senior who has an interest in helping

others. It is strongly recommended for individuals entering the professions (counseling, social work, nursing, and education).

Health II

A one-semester, one credit elective course available to students, grades 10-12. Prerequisite: None. Prerequisites: None. This course is designed to help the student grasp an understanding of the nervous system, senses, chemical regulators, respiratory system, cardiovascular system, heredity, infectious diseases, public health, health services, and first aid. It is strongly recommended to individuals who have an interest in learning more about the workings of their body and how it is affected by disease and are entering health related professions.

English Course Descriptions

English 9

A two-semester, 2 credit required course available to students, grade 9. This course will give Freshmen a basic overview of English skills in reading, writing, listening and speaking. Students will study in a literature-based environment with readings that will promote multiple levels of comprehension skills, higher-order thinking skills, and interpersonal skills. Literary forms to be explored will be short stories, the novel, nonfiction, and Shakespearean dramas. Writing workshops will provide students the opportunity to improve skills in writing, grammar and mechanics through a variety of written work. Students will work toward the mastery of the Iowa Common Core English Standards in listening, writing, reading, language and speaking.

English 10

A two-semester, 2 credit required course available to students, grade 10. Prerequisite: English 9. This course will give Sophomores a comprehensive course that explores the various aspects of the English language through the studies of oral communication, reading, writing, vocabulary, and grammar. Close reading strategies and critical thinking skills help students comprehend novels, plays, short stories, and essays. Grammar, writing, and vocabulary lessons complement the readings. Students will work toward the mastery of the Iowa Common Core English Standards in listening, writing, reading, language and speaking. .

English III

A two-semester, 2 credit elective course available to students, grades 11 & 12. Prerequisite: English 9 and 10. This course provides an overview of several literary works within American literature. Close reading strategies and critical thinking skills will be emphasized to help students comprehend primary resources and thought-provoking literature, including poetry, drama, short stories, and novels. Grammar, writing, and vocabulary complement the readings. Students will work toward the mastery of the Iowa Common Core English Standards in listening, writing, reading, language and speaking.

Mass Media

A one-semester, 1 credit elective course available to students, grades 11 & 12 even years in the spring. Prerequisite: English 9 & 10. In this course students will study the importance of mass media as pervasive in modern life at the local, national, and global levels. Students recognize the impact of mass media messages through news, entertainment, and persuasion on contemporary society. Students analyze and evaluate the history, governance, and ethical issues of mass media to gain a perspective of how influential mass communication has become. Students prepare for their roles as

informed and engaged citizens in a democracy. Projects through technology will enhance student learning and experience. Students will use media literacy and communications skills to become writers, speakers, or media producers who address content issues and the impact of mass communication. Students will become knowledgeable consumers of mass media information.

Contemporary Literature

A one-semester, 1 credit elective course available to students, grades 11 & 12 odd years in the spring. Prerequisite: English 9 & 10. Students will have the opportunity to read a wide variety of literature included in Language Arts in the genre of novels, short stories, poetry, fiction, mystery, culture, biography and drama. Through reading, writing, and discussion, students will develop higher levels of understanding, become reflective readers, and display the ability to form judgements and evaluations about a text and its relationship to self and the real world.

English Skills

A one-semester, 1 credit elective course available to students, grades 11 & 12. Prerequisite: English 9 & 10. This course will prepare students with life skills in the areas of relationships, employment, society, meeting challenges, making discoveries, and facing reality. Students will learn through short stories, nonfiction events, in-depth reading, practice scenarios, and class discussion. Workshops will be provided in writing, critical thinking, speaking, and vocabulary. Students will experience life skill training guided by the standards of 21st Century Skills and Common Core Language.

High School Speech

A one-semester, 1 credit elective course available to students, grades 11 & 12 or with instructor approval. Prerequisite: English 9 & 10. Students in this course will study a variety of speech presentations and gain experience in front of the class by preparing a narrative, demonstrative, informative, debate, or others to name a few. Students will learn to evaluate professional presentations as well as their classmates. Standards of Common Core Language and 21st Century Skills will guide instruction.

Comprehensive Drama

A one-semester, 1 credit elective course available to students, grades 11 & 12 or with instructor approval. Prerequisite: English 9 & 10. Students will gain the basic understanding of stage production and terminology. Knowledge of the following major elements of theater will be studied: performers, audience, director, theater space, and design. Activities will enhance the student's experience with the projection of emotions and actions. Students will be evaluated through their performance and participation. Standards of Common Core Language and 21st Century Skills will guide instruction.

Industrial Technology Course Descriptions

Machine Drawing and Computer Aided Design

A two-semester, 2 credit elective course available to students, grades _____. Prerequisite: _____. This course is offered to students who are interested in acquiring skills needed to read and produce drawing common to industry. Drafting concepts to be covered include: sketching, orthographic projection, pictorial views, dimensioning, section views, auxiliary views, and architectural floor plans. These drawings will be produced both by using traditional manual design methods and also by

utilizing computer design methods and software. Design software used includes Google Sketchup Pro, AutoCad, VCarve and Torchmate CAD. Students will be given the opportunity to design then produce a product using either the CNC Router or CNC Plasma Table. Any costs involved with the project are the responsibility of the student. Elective, 1 semester, 1 credit, 9-12 grade, Prerequisite: None

Machine Woods Technology

A two-semester, 2 credit elective course available to students, grades _____. Prerequisite: _____. This course is offered to students who are interested in learning the basic skills of cabinet making, designing projects, and problem solving. The activities in this course are designing and constructing a major piece of furniture, or a suitable substitute. All student projects are subject to instructor approval. All material, hardware, and other costs involved with the project are the responsibility of the student. Elective, 1 semester, 1 credit, 9-12 grade, Prerequisite: none

Special Products

A two-semester, 2 credit elective course available to students, grades _____. Prerequisite: _____. The course is designed for students that have successfully completed other Industrial Technology classes and want to further their skills in areas they've studied previously. This course could also give students a chance to learn new skills in topic areas that scheduling conflicts have prevented them from being able to take. Instructor approval is required for admission to this class). The costs involved with this course will vary, depending on the student's choice of activities. Elective, 1 semester, 1 credit, 9-12 grade, Prerequisite: none

Metals/Welding and Steel Fabrication

A two-semester, 2 credit elective course available to students, grades _____. Prerequisite: _____. This course is offered to students interested in acquiring the skills needed to perform basic welding, cutting, and metal forming operations. Areas of study include: SMAW(stick) welding, GMAW (wire) welding, GTAW (TIG) welding, Soldering, Brazing, Oxy/Acetylene welding. Resistance (spot) welding and sheet metal layout. Students will build a metal toolbox for a project, with a cost of \$10 to \$20. Elective, 1 semester, 1 credit, 9-12 grade, Prerequisite: none

Advanced Metals/Welding

A two-semester, 2 credit elective course available to students, grades _____. Prerequisite: _____. This course builds on the skills learned in the first metals class and also exposes students to additional skills in the metal working industry. New areas studied include: threads/fasteners, foundry (casting aluminum), CNC plasma cutting, and metal lathe work. Time will be allotted for students to build a project that incorporates metal. Projects are subject to instructor approval, and any costs are the responsibility of the student. Elective, 1 semester, 1 credit, 9-12 grade, Prerequisite: Metals/Welding

Introduction to Manufacturing Processes

A two-semester, 2 credit elective course available to students, grades _____. Prerequisite: _____. This course is geared toward helping students learn the basic skills to most manufacturing industries. Activities include drafting, print reading, machine operation and workplace safety. There is generally an expense of \$10-\$20 for this course. Elective, 1 semester, 1 credit, 9-12 grade, Prerequisite: none

Manufacturing Processes

A two-semester, 2 credit elective course available to students, grades _____. Prerequisite: _____. This course is offered for students interested in operating a production company. The students will choose a product design, manufacture, and sell that product. Areas of study include: business structure, company organization, product selection and design, calculating selling prices, and material estimation. Elective, 1 semester, 1 credit, 9-12 grade, Prerequisite: none

Family and Consumer Sciences Course Descriptions

Work and Family I & II

A two-semester, 2 credit elective course available to students, grades _____. Prerequisite: _____. As an introductory and comprehensive family and consumer sciences class, this is meant to provide exposure to several topics. Included units are personal growth and management, finance, consumer skills, clothing, housing, food skills, child development/parenting, sewing, interpersonal skills, and job preparedness. (2 Semesters)

Child Development I

A two-semester, 2 credit elective course available to students, grades _____. Prerequisite: _____. This course explores family life and development with special attention to children's growth in emotional, social, physical, and intellectual areas. It begins with thinking about parenting and concludes with age 3. Included in this time are experiences with an empathy belly and a "fake" baby. (1 Semester)

Child Development II

A two-semester, 2 credit elective course available to students, grades _____. Prerequisite: _____. In this class, students learn about development in children ages four through 18 in addition to other issues involved with children and child-centered careers. The class has been fortunate enough to interact with elementary students as well to see real life examples of the information they are learning about. (1 Semester)

Foods I

A two-semester, 2 credit elective course available to students, grades _____. Prerequisite: _____. Just as it sounds, this course builds basic food preparation and nutrition skills for a portion and then moves into a lab setting along with more information and application practice with preparing different types of food. (1 Semester)

Foods II

A two-semester, 2 credit elective course available to students, grades _____. Prerequisite: _____. This course is a continuation of Foods I and deals with food information and labs that become progressively more complex. Hospitality and food industry work skills are also included in this class. (1 Semester)

Life Skills

A two-semester, 2 credit elective course available to students, grades _____. Prerequisite: _____. Life Skills is one of two options for a required family and consumer sciences course. During this semester-long class, students explore financial management, laundry, mending clothes/basic sewing skills, foods skills, job seeking skills, and other requested adult living subject areas. (1 Semester)

Relationships

A two-semester, 2 credit elective course available to students, grades _____. Prerequisite: _____. Relationships is the other possible required family and consumer sciences course here at West Central. This course analyzes the different relationships that take place across the lifespan including friendship, dating, engagement, marriage, and the child/parent relationship. The class also focuses on the subjects of self, divorce, being single, and others that may influence relationships. (1 Semester)

Interior Design

A two-semester, 2 credit elective course available to students, grades _____. Prerequisite: _____. During this course, students learn about all stages of housing development and design. Samplings of units include history of housing, housing regulations, house planning, housing style, and housing design. (1 Semester)

Fashion Merchandising

A two-semester, 2 credit elective course available to students, grades _____. Prerequisite: _____. This course delves into all aspects of fashion history, techniques, and trends during the first portion. The second part of this course focuses on applying production techniques and marketing methods learned in the previous portion. A highlight of this class for many is the field trip to Iowa State's "Behind-the-Scenes" day where students get first-hand experience with fashion design and production. (1 Semester)

Math Course Descriptions

Pre-Algebra

A two-semester, 2 credit elective course available to freshmen. Prerequisite: 8th Grade Math. This course is designed to

Algebra I

A two-semester, 2 credit elective course available to freshmen (exceptions with teacher consent). Prerequisite: 8th Grade Math (exceptions with teacher consent).

This course is designed to emphasize the study of multiple representations of linear and non-linear functions. It includes mathematical concepts for working with algebraic expressions, equations, and inequalities; analyzing, solving, and graphing linear functions, linear inequalities, systems of equations, quadratic functions, and exponential functions; and introduces concepts from statistics and probability.

Modern Geometry

A two-semester, 2 credit elective course available to sophomores (exceptions with teacher consent). Prerequisite: Algebra I.

This course is designed to emphasize the study of the properties and applications of common geometric figures. Inductive and deductive reasoning is used to problem solve with two- and three-dimensional geometric figures. It includes the study of transformations and right triangle trigonometry. There is an emphasis on writing proofs to solve (prove) properties of geometric figures.

Practical Geometry

A two-semester, 2 credit elective course available to freshmen and sophomores (exceptions with teacher consent). Prerequisite: 8th Grade Math.

This course breaks down concepts from Modern Geometry. There is a strong emphasis on two and three dimensional figures, tessellations, and real world applications of geometric concepts.

Algebra II

A two-semester, 2 credit elective course available to juniors. Prerequisite: Algebra I.

This course is designed to build upon the concepts from Algebra I. It includes mathematical concepts for working with algebraic functions; analyzing, solving, transforming, and graphing quadratic functions, exponential and logarithmic functions, polynomial functions, rational functions, and radical functions; and introduces concepts from trigonometry.

Functions, Statistics, Trigonometry, and Pre-Calculus

A two-semester, 2 credit elective course available to seniors (exceptions with teacher consent).

Prerequisite: Algebra II.

This course is designed to build upon the concepts from Algebra II. It includes mathematical concepts for working with algebraic functions and analyzing, solving, transforming and graphing polynomial and rational functions, exponential and logarithmic functions, and trigonometric functions. It introduces concepts from statistics including measures of center and measures of spread, and concepts from probability including both discrete and continuous probability distributions.

Trade Math

A one-semester, 1 credit elective course available to high school students. Prerequisite: None.

This course is designed to apply mathematical concepts to real world situations. In this class students study basic math and problem solving skills.

Consumer Math

A one-semester, 1 credit elective course available to high school students. Prerequisite: None.

This course is designed to introduce students to financial basics: checking accounts, savings accounts, simple and compound interest, state and federal tax concepts, etc.

Chorus Course Description

Chorus

The West Central Chorus is the elective vocal ensemble at West Central available to 9th-12th graders. Members are required to attend voice lessons with the instructor and take part in several co-curricular performances throughout the year. Extra musical opportunities such as honor choirs and solo/ensemble are available to members. A continuation of sight reading, music theory, and music history are addressed within the course's 4-year sequential curriculum. No prerequisite.

Band Course Description

Instrumental Music

Offered to all students in grades 9-12. It gives the student a basic knowledge of music history and

theory through music of all time periods. Social conditions of the time, performance practices and musical form and structure are discussed for major pieces presented in class. Musical notation and terminology are also introduced and studied as they relate to each piece of music. The students receive weekly lessons to help master the concepts and techniques. The major performing groups within the instrumental music program are: 1) Concert Band, which gives a minimum of three concerts per year and performs at contests and tours; 2) the BLUE DEVIL MARCHING BAND which performs at all home football games and tours; 4) Pep Band, which performs at all home basketball games. In addition the students are given the opportunity to work on solo and ensemble literature throughout the year and perform these pieces at state solo and ensemble festival in the spring. (1 semester – Credit .5 – Elective):

Spanish Course Descriptions

Spanish 1

A two-semester, 2 credit elective course available to students, grades 9-12. Prerequisite: None. This course is an introduction to the Spanish language. Flashcards, games, activities, and technology are used to apply new vocabulary, such as useful phrases, colors, numbers, the alphabet, and beginning conversation. Videos, projects, and research will focus on the culture of Spanish-speaking countries. Homework and assessments will be given as needed. A good, working knowledge of English grammar is an advantage to any student taking this course. Note: Check with college as to world language requirements for admission.

Spanish 2

A two-semester, 2 credit elective course available to students, grades 10-12. Prerequisite: successful completion of Spanish 1. This course builds upon the ability to speak, understand, read, and write as taught in Spanish 1. Flashcards, games, activities, and technology are used to apply new vocabulary, such as the weather and describing yourself and others. Verb tenses include regular and stem-changing present tense verbs. Communication and listening activities play a larger role as students work toward speaking 100% Spanish. Videos, projects, and research will focus on the culture of Spanish-speaking countries. Homework and assessments will be given as needed. Additionally, Spanish 2 includes several projects to apply the vocabulary. Note: Check with college as to world language requirements for admission.

Spanish 3

A two-semester, 2 credit elective course available to students, grades 11-12. Prerequisite: successful completion of Spanish 2. Continues to develop the ability to understand, read, and write while emphasizing the goal to speak in Spanish. Communication and listening activities play a larger role as students practice hearing and speaking 100% Spanish. Flashcards, games, activities, and technology are used to apply new vocabulary, such as healthy foods, emotions, and preparing for a birthday party. More complex verb tenses are introduced. Videos, projects, and research will focus on the culture of Spanish-speaking countries. Homework and assessments will be given as needed. Additionally, Spanish 3 includes several projects to apply the vocabulary. Note: Check with college as to world language requirements for admission. Prerequisites:

Spanish 4

A two-semester, 2 credit elective course available to students, grade 12. Prerequisite: successful completion of Spanish 3. Continues to develop the ability to understand, read, and write while speaking in Spanish. Speaking 100% Spanish is the ultimate goal. Flashcards, games, activities, and technology are used to apply new vocabulary, such as shopping, being on vacation, and helping in the community. More complex verb tenses are introduced. Videos, projects, and research will focus on the culture of Spanish-speaking countries. Homework and assessments will be given as needed. Additionally, Spanish 4 includes several projects to apply the vocabulary. Note: Check with college as to world language requirements for admission.

Physical Education Course Descriptions

Zero Hour PE

Emphasis on strength and conditioning. Olympic lifts will be taught and learned each day. Emphasis is on individual improvement not on a specific target weight that must be reached. This is a highly active class that requires students to be dedicated, to be on time, and dedicated to working hard towards individual goals and improvement. Athletes are highly encouraged to take this class. Class meets from 6:30am-7:30am.

Physical Education

Is offered to students who want to participate in traditional team games, such as, volleyball, football, kickball, and other team games. There will also be individual games such as, badminton, pickleball, Frisbee golf, and others. In all PE classes there is an emphasis on fitness along with having fun in each class period. Student input is taken into consideration when deciding which activities are done in class.

Arranged PE

Is offered to students per the instructor's discretion. This class meets during the student's study hall time. The purpose is to meet the needs of students whose schedules do not fit the traditional PE hours. Activities will include helping with the elementary PE classes and keeping a fitness journal. Students enrolled in arranged PE will work one on one and in small groups with elementary students. Class meets during student's study halls.