

2010-2011 WAVES Course Catalog

Course Name: Advanced Placement Calculus AB

Delivering Site: Holyoke High School

Instructor: Lynette Hudiburgh

Credits: High School Credit

Prerequisites: 4 years of high school math including Algebra I, Algebra II, Geometry, Trigonometry, and Pre-calculus, or their equivalents

Days in Session: 5 days a week when the calendar allows

Course Description: AP Calculus AB consists of a full high school academic year of work that is comparable to a one semester college calculus course. The purpose of the AP Calculus program is to develop students' understanding of the concepts of calculus and provide experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally.

Students are exposed to five broad conceptual themes:

1. **Functions:** Work with functions represented in a variety of ways; graphical, numerical, analytical, or verbal, and understand the connections among these representations.
2. **Limits:** Find limits numerically, graphically, algebraically and use the concept of a limit to find derivatives and areas.
3. **Derivatives:** Understand the meaning of the derivative in terms of a rate of change and a local linear approximation and use derivatives to solve a variety of problems.
4. **Integrals:** Understand the meaning of the definite integral both as a limit of Riemann sums and as the net accumulation of change and use integrals to solve a variety of problems.
5. **Modeling & Application:** Model a written description of a physical situation with a function, a differential equation, or an integral. Solve application problems.

Technology will be used regularly to reinforce the relationships among the multiple representations of functions, to confirm written work, to implement experimentation, and to assist in interpreting results. Students will also learn to communicate mathematics both orally and in well-written sentences. Students who successfully complete the course and examination may receive credit, advanced placement, or both for a one-semester college calculus course.

Materials Requirements: Every student must have a graphing calculator and a three-ringed binder. Texas Instrument calculators (TI 83, TI 83+, TI 84, TI 84+, TI 86) are recommended.

Grading Scale: The traditional 10 point grading scale will be used.
(100-90 A, 89-80 B, 79-70 C, 69-60 D, 59-0 F)

Textbook: Calculus: Graphical, Numerical, Algebraic, 3rd edition
by Finney, Demana, Waits, and Kennedy

Textbook Requirement: Loan

Course Name: Advanced Placement English

Delivering Site: Holyoke

Instructor: Clark Ginapp

Credits: High school English credit and up to six college credits, but possibly zero

Prerequisites: Sophomore English or an equivalent

Days in Session: five days a week when possible

Course Description: AP English is designed to develop “skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts” and “skilled writers who compose for a variety of purposes.” This course is to be rigorous enough to substitute for a college first-year writing course, holding, as do those courses, the ultimate purpose of enabling students to read and write effectively and confidently “across the curriculum and in their professional and personal lives” and to “deepen [students’] understanding of the ways writers use language to provide both meaning and pleasure for their readers.” As the students progress through the curriculum, they will learn to analyze literary structure, style, and meaning, along with gaining a clearer understanding of such elements as figurative language, imagery, symbolism, and tone. With that in mind, students will move beyond formulaic approaches, such as the five-paragraph essay, and be encouraged “to place their emphasis on content, purpose, and audience and to allow this focus to guide their organization.”

Materials Requirements: None

Grading Scale: A – 100-90; B – 89-80; C – 79-70; D – 69-60; F – 59-0

Textbooks:

Aaron, Jane E. The Compact Reader. Bedford/St. Martin’s: Boston/New York, 2003.

Barnett, Sylvan and Hugo Bedau. Current Issues & Enduring Questions. Bedford/St. Martin’s: Boston/New York, 1999.

Meyer, Michael. The Bedford Introduction to Literature: Reading – Thinking – Writing. Bedford/St. Martins: Boston/New York, 2005.

Textbook Requirement: Loan

Course Name: Advanced Placement Statistics

Delivering Site: Holyoke High School

Instructor: Lynette Hudiburgh

Credits: High School Credit

Prerequisites: 3 years of high school math including Algebra I, Algebra II, Geometry, or their equivalents

Days in Session: 5 days a week when the calendar allows

Course Description: AP Statistics is equivalent to a one-semester, introductory, non-calculus based, college course in statistics. It is an excellent option for any student who has successfully completed Algebra II and who possesses sufficient mathematical maturity and quantitative reasoning ability.

The purpose of the AP Statistics Program is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses

Important components of the course include the use of technology, projects and laboratories, cooperative group problem-solving, and writing. This approach allows students to build interdisciplinary connections with other subjects and with their world outside school. Students who successfully complete the course and examination may receive credit, advanced placement, or both for a one-semester introductory college statistics course.

Materials Requirements: Every student must have a graphing calculator and a three-ringed binder. Texas Instrument calculators (TI 83, TI 83+, TI 84, TI 84+, TI 86) are recommended.

Grading Scale: The traditional 10 point grading scale will be used.
(100-90 A, 89-80 B, 79-70 C, 69-60 D, 59-0 F)

Textbook: Introduction to Statistics and Data Analysis, 2nd edition,
by Peck, Olsen, and Devore

Textbook Requirement: Loan

Course Name: College Accounting I, Principles of – ACC121

Delivering Site: Haxtun

Instructor: Lisa Schaefer

Credits: 1 High School Credit or 4 College Credits

Prerequisites:

Days in Session: 5 days/week

Course Description: An introduction to accounting principles and practices underlying financial statements. Includes the study of journals, ledgers, inventories, fixed assets, and payroll accounting as it applies to a single proprietorship.

Materials Requirements: 3-ring notebook, pen/pencil, calculator, ruler

Grading Scale: A = 90 or above; B = 80 – 89; C = 70 – 79; D = 60 - 69

Textbook: Accounting Principles By Weygandt, Kieso, Kimmel 8th Edition

Textbook Requirement: Students will need to purchase their own textbook either from the college bookstore (NJC) or through on-line sites. Students will also need to purchase the working papers for this course through the NJC bookstore.

Course Name: College Algebra - MAT 121

Delivering Site: Julesburg

Instructor: Ms. Jodi Deden

Credits: 3 College Credits @ NJC

Prerequisites: Completion of Advanced Algebra with a grade of “B” or better. All students must have an ACT score of 23 or higher in the area of Math or take & pass the accuplacer test through NJC.

Days in Session: Monday through Friday

Course Description: Course includes a brief review of intermediate algebra, equations, and inequalities, functions and their graphs, exponential and logarithmic functions, linear and non-linear systems, selection of topics from among graphing of the conic sections, introduction to sequences and series permutations and combinations, the binomial theorem and theory of equations.

Materials Requirements: Graphing Calculator

Grading Scale: Instructor will provide all students with a letter grade, (A,B,C,D,F) based on classroom assessments.

Textbook: TBD

Textbook Requirement: Purchase

Course Name: College Algebra MAT 121

Delivering Site: Platte Valley

Instructor: Roy Pfaltzgraff

Credits: 3 College Credits (NJC)

Prerequisites: Accuplacer Elementary Algebra Score of 85 or ACT Math score of 23

Days in Session: Fall Semester Tuesday - Friday

Course Description: Includes a brief review of intermediate algebra, equations, and inequalities, functions and their graphs, exponential and logarithmic functions, linear and non-linear systems, selection of topics from among graphing of the conic sections, introduction to sequences and series permutations and combinations, the binomial theorem and theory of equations.

Materials Requirements: Paper, pencil, 3-ring binder, graphing calculator is not required but highly recommended.

Grading Scale: 90%-100%	A
80%-89%	B
70%-79%	C
60%-69%	D
Below 60%	F

Text Book: College Algebra by David Cohen, Fifth Edition (required)
Student Solutions Manual (recommended)

ISBN: Text 0-534-45318-X
Solutions Manual 0-534-36899-9

Textbook Requirements: Purchase

Course Name: College Anatomy & Physiology - BIO 106

Delivering Site: Haxtun

Instructor: Cathy Starkebaum

Course Description: Anatomy is a very intensive study of the human body. The class will begin with a study of the molecules that are important to the makeup of the human body. Next, the class will focus on the many types of tissues in the human body. The systems we will study are: Integumentary, Skeletal, Muscular, Nervous, Sensory, Endocrine, Circulatory, Lymphatic, Respiratory, Digestive, Urinary and Reproductive.

Goals and Objectives: Upon completion of this class, students should be able to:

- identify and describe the important molecules of life
- identify and describe the tissue types of the human body

For each body system, students should be able to:

- identify the components of the system
- describe how the components relate to each other
- describe how the system relates to the rest of the human body

Prerequisites: Biology; Grades 11 & 12

Days in Session: 5; Two semesters

Credits: 4 hours college credit may be earned by successfully completing the course with a 70% grade average or better.

Materials Requirements: Zahourek manikin and clay (can be rented from Haxtun H.S. for \$50.00/student. Purchase price is \$500/2 students from Zahourek) dissection kit: fetal pig (April); dissection guide

Grading Scale: A = 90 – 100%
B = 80 – 89%
C = 70 – 79%
D = 60 – 69%
F = 59% and below

Textbook: Essentials of Human Anatomy & Physiology by Elaine Marieb 9th ed.
ISBN: 978-0-321-51353-3 **The textbook's suggested retail price is \$124.00

Lab book: Essentials of Human Anatomy & Phys. Lab Manual 4th ed.
ISBN: 978-0-321-52399-0 **Lab book's suggested retail price is \$47.60

Textbook Requirement: Purchase

Course Name: College Astronomy I – AST 101

Delivering Site: Otis

Instructor: Karl Donnelson

Credits: 4 College Credits

Prerequisites: Minimum accuplacer scores: Reading Comprehension 80, Sentence Skills 95

Days in Session: 5 days/week

Course Description: Students will understand the science behind astronomy to include the planets, moons, stars, and galaxies. Other items that will be discussed are the history of space, comets, asteroids, and other space objects.

Students will participate in the lectures during the week. Test will be scheduled according to the material covered. Test will include information covered from the lectures and will usually cover three chapters. Homework and labs need to be finished on the due dates. All other assignments will be given in class. Students will also complete on report on an astronomy related topic. All requirements for assignments will be given during class.

Labs: Labs will consist of laboratory sessions using the internet, CDs, videos and homework. Lab write-ups or reports will be required for all labs.

Grading Scale: A = 90 or above; B = 80 – 89; C = 70 – 79; D = 60 – 69
Test – 60%, Quiz – 10%, Homework – 10%, Labs – 20%

Textbook: Universe, 8th Edition, Freedman and Kaufman (Chapters 1-15)

Textbook Requirement: Students will need to purchase their own textbook either from the college bookstore (MCC) or through on-line sites.

Course Name: College Astronomy II – AST 102

Delivering Site: Otis

Instructor: Karl Donnelson

Credits: 4 College Credits

Prerequisites: College Astronomy I

Days in Session: 5 days/week

Course Description: Students will understand the science behind astronomy to include the planets, moons, stars, and galaxies. Other items that will be discussed are the history of space, comets, asteroids, and other space objects.

Students will participate in the lectures during the week. Test will be scheduled according to the material covered. Test will include information covered from the lectures and will usually cover three chapters. Homework and labs need to be finished on the due dates. All other assignments will be given in class. Students will also complete on report on an astronomy related topic. All requirements for assignments will be given during class.

Labs: Labs will consist of laboratory sessions using the internet, CDs, videos and homework. Lab write-ups or reports will be required for all labs.

Grading Scale: A = 90 or above; B = 80 – 89; C = 70 – 79; D = 60 – 69
Test – 60%, Quiz – 10%, Homework – 10%, Labs – 20%

Textbook: Universe, 8th Edition, Freedman and Kaufman (Chapters 16-28)

Textbook Requirement: Students will need to purchase their own textbook either from the college bookstore (MCC) or through on-line sites.

Course Name: COLLEGE BIOLOGY I WITH LAB 5 CR (4–2) - BIO 105

Delivering Site: Akron

Instructor:

Credits: High School Credit plus 5 College Credits

Prerequisites: High School Biology or Instructor Approval

Days in Session: M - F

Course Description: This class examines the fundamental molecular, cellular and genetic principles characterizing plants and animals. It includes cell structure and function, and the metabolic processes of respiration, and photosynthesis, as well as cell reproduction and basic concepts of heredity. This course

includes laboratory experience. Grades are given based upon class participation and student performance on daily work, tests, and labs.

Materials Requirements: Every student must have a three-ringed binder

Grading Scale: A = 90 – 100%
B = 80 – 89%
C = 70 – 79%
D = 60 – 69%
F = 59% and below

Textbook:

Textbook Requirement: Purchase

Course Name: College Business Law – BUS 216

Delivering Site: Peetz High School

Instructor: Tammy Fehringer

Credits: (BUS 216) for 3 college credit hours

Prerequisites: none

Days in Session: Mondays through Fridays

Course Description: You are already making contracts! Find out what contracts are and learn your rights and responsibilities. Learn how to be a wise consumer and avoid problems that can cost you a great deal of time and money. Upon completion of the course, students will have the basic knowledge and skills to: demonstrate knowledge of criminal, Constitutional, and civil law, demonstrate knowledge of the elements of a contract, and demonstrate knowledge of basic business transactions.

Materials Requirements: Every student must have a three-ringed binder, post-it notes

Grading Scale: 98-100 A+
92-98 A
90-92 A- and so forth

Textbook: The Legal Environment of Business, *Text and Cases 7th*^h ed., Cross & Miller, South-Western CENGAGE Learning

ISBN: 13-978-0-324-66483-6; 10-0-324-66483-4

Textbook Requirement: Purchase

Course Name: College Chemistry - CHE 101

Delivering Site: Haxtun

Instructor: Alan Nall

Credits: 1 Credit HHS, 5 Credit NJC (4 Lecture, 1 Lab)

Prerequisites: Grades 11-12, One year high school chemistry, CHE 107, or instructor approval

Days in Session: Monday – Friday (two semesters)

Course Description: For science and engineering majors. Includes the study of measurements, atomic theory, chemical bonding, stoichiometry, gases, condensed states, solutions, and thermodynamics. Also includes the problem solving skills and descriptive contents for these topics. Laboratory techniques used in the experiments will demonstrate the above concepts as well as the qualitative and quantitative analytical techniques involved in chemistry.

Topic List

- Atoms, molecules, ions
- Mass relationships in chemical reactions
- Reactions in aqueous solutions
- Gases
- Thermochemistry
- Quantum Theory and the Electronic Structure of Atoms
- Periodic Relationships Among the Elements
- Chemical Bonding I: Basic Concepts
- Chemical Bonding II: Molecular Geometry and Hybridization of Atomic Orbitals

Materials Requirements:

Grading Scale: A – 100-90; B – 89-80; C – 79-70; D – 69-60; F – 59-0

- Assignments 50 Points per test
- Quiz/Test 100 Points per test, ten tests and two finals
- Laboratories 10 Points per lab

Textbook: Chemistry, ninth edition, Richard Chang - In class, we will cover chapters 1-10

Lab Text: Chemtrek – small-scale experiments for general chemistry, Thompson (DO NOT PURCHASE)

Textbook Requirement: Purchase

Course Name: College English I - ENG 121 **College English II - ENG 122**

Delivering Site: Julesburg

Instructor: Ms. Carla Tjaden

Credits: 3 credits per class from NJC

Prerequisites: Successful completion of 9th and 10th grade English with a grade of “B” or better. All students registering for this course must have an ACT score of 18 or higher in English and 17 or higher in Reading **OR** take and pass the Accuplacer test through NJC and score at their established proficiency level for this course **prior to the beginning of the course.**

Days in Session: 3 days per week

Course Description:

ENG 121 English Composition I

The course emphasizes the planning, writing, and revision of compositions, including the development of critical and logical thinking skills. It includes a minimum of five compositions that stress analytical, evaluative, and persuasive writing.

ENG 122 English Composition II

This class expands and refines the objectives of English Composition I. It emphasizes critical/logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative, and/or persuasive papers that incorporate research.

Materials Requirements: N/A

Grading Scale: Instructor will provide all students with a letter grade, (A,B,C,D,F) based on classroom assessments.

Textbook: Successful College Writing- 2nd Edition if possible, 3rd edition if not available

Textbook Requirement: Purchase

Course Name: College Psychology I - PSY 101

Delivering Site: Holyoke High School

Instructor: Roger Brady

Credits: High School Credit, 3 college credits

Prerequisites: None

Days in Session: 5

Course Description: This course focuses on the scientific study of behavior including motivation, emotion, physiological psychology, stress and coping, research methods, consciousness, sensation, perception, learning, and memory. Students take college level tests and submit assignments that must meet the higher standards of a post-secondary institution. In addition, a scholarly analytical research paper is required.

Materials Requirements: Textbook

Grading Scale: 10%, 90 – 100 = A

Textbook: Myers, David G., *Exploring Psychology in Modules*, 7th edition, 2008, Worth Publisher, New York, NY. ISBN 1-4292-0588-1

Textbook Requirement: Purchase

Course Name: College Social Psychology, PSY 226

Delivery Site: Otis High School

Instructor: Shae Smith, Master of Education

Credits: High School Credit, 3 College Credits from MCC

Prerequisites: Passing score on the Accuplacer: Reading Comprehension and Writing Skills

Days in Session: 5

Course Description: This course is designed to focus on the behavior of humans in social settings. This includes exploring attitudes, aggression, conformity, cooperation, competition, prejudice and interpersonal attraction. Members of this class will be subject to the rigors of a college course. They will be expected to participate in classroom discussions concerning the content of the textbooks, take college level tests and submit assignments, including an analytical research paper, that meet the higher standards of a post-secondary institution.

Materials Requirements: Textbook

Grading Scale: 10% grading scale, 90 – 100 = A

Textbook: Meyers, David G., *Social Psychology*, 9th edition, 2008, McGraw Hill, New York, New York. 9780073310268,

Textbook Requirements: Purchase

Course Name: College Sociology I - SOC 101

Delivering Site: Holyoke High School

Instructor: Roger Brady

Credits: High School Credit, 3 college credits

Prerequisites: None

Days in Session: 5

Course Description: This course examines the basic concepts, theories, and principles of sociology as well as human culture, social groups, and the social issues of age, gender, class, and race. Members of the class will take college level tests to evaluate their understanding and mastery of the subject. Assignments will also be submitted that must meet the higher expectations of a post-secondary institution. An analytical and research based paper will be submitted toward the end of the semester.

Materials Requirements: Textbook

Grading Scale: 10% grade scale, 90 – 100 = A

Textbook: Thio, Alex , *Sociology: A Brief Introduction*, sixth edition, 2005, Allyn and Bacon, Boston, Massachusetts. ISBN 0-205-40785-4

Textbook Requirement: Purchase

Course Name: College Sociology, Soc 101

Delivery Site: Otis High School

Instructor: Shae Smith, Master of Education

Credits: High School Credit, 3 College Credits from MCC

Prerequisites: Passing score on the Accuplacer: Reading Comprehension and Writing Skills

Days in Session: 5

Course Description: This course is designed to explore the basic concepts, theories and principles of sociology, as well as human culture, social groups, and the social issues of age, gender, class and race. Members of this class will be subject to the rigors of a college course. They will be expected to participate in classroom discussions concerning the content of the textbooks, take college level tests and submit assignments, including an analytical research paper, that meet the higher standards of a post-secondary institution.

Materials Requirements: Textbook

Grading Scale: 10% grading scale, 90 – 100 = A

Textbook: Schaefer, Richard., *Sociology: A Brief Introduction*, 7th edition, 2008, McGraw Hill, New York, New York. 978-0-07-352805-2,

Textbook Requirements: Purchase

Course Name: College Trigonometry MAT 122

Delivering Site: Platte Valley

Instructor: Roy Pfaltzgraff

Credits: 3 College Credits (NJC)

Prerequisites: College Algebra

Days in Session: Spring Semester Tuesday-Friday

Course Description: Covers topics including trigonometric functions (with graphs and inverse functions), identities and equations, solutions of triangles, complex numbers, and other topics as time permits.

Materials Requirements: Paper, pencil, 3-ring binder, graphing calculator is not required but highly recommended.

Grading Scale: 90%-100%	A
80%-89%	B
70%-79%	C
60%-69%	D
Below 60%	F

Text Book: Plane Trigonometry by Heineman & Tarwater, 7th Edition

ISBN: 0-07-028187-4

Textbook Requirements: Purchase

Course Name: College United States History I, HIS 201
College United States History II HIS 202

Delivering Site: Holyoke High School

Instructor: Roger Brady

Credits: High School Credit and 3 college credits per semester

Prerequisites: None

Days in Session: 5

Course Description: US History 201 explores events, trends, peoples, groups, cultures, ideas, and institutions in North America and United States history, including the multiple perspectives of gender, class, and ethnicity, between the period when Native American Indians were the sole inhabitants of North America, and the American Civil War. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in the discipline.

US History 202 explores events, trends, peoples, groups, cultures, ideas, and institutions in United States History, including the multiple perspectives of gender, class, and ethnicity, between the period of the American Civil War and the present. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in the discipline. The students will take college level test as

well as submit assignments that reveal their understanding of the subject matter. A scholarly analytical research paper is required.

Materials Requirements: Textbook

Grading Scale: 10% grade scale, 90 – 100 = A

Textbook: Faragher, John Mack, Mari Jo Buhle, Daniel Czitrom and Susan H. Armitage, *Out of Many: A History of the American People*, fourth edition, 2003, Prentice Hall, Upper Saddle River, New Jersey. The text is Available in a combined hardback edition or in two paperback volumes.

Textbook Requirement: Purchase

Course Name: College World Civilizations I, HIS 111
College World Civilizations II, HIS 112

Delivering Site: Holyoke High School

Instructor: Roger Brady

Credits: High School Credit plus 3 college credits per semester

Prerequisites: None

Days in Session: 5

Course Description: World Civilization 111 enables the student to view history up to 1500 CE in a broad global sense and focuses on the common denominators among all people. This approach goes beyond political borders, to provide a better appreciation for different cultures.

World Civilization 112 enables students to view history post 1500 CE in a broad global sense and focuses on the common denominators among all people. This approach goes beyond political borders to provide a better appreciation for different cultures.

World Civilizations is a college freshman course that explores the earliest cultures to modern times. Through social, political and economic issues relevant to the time period, students learn the outstanding characteristics of the various civilizations that emerged throughout the world. Students will take tests and submit assignments that must meet post-secondary standards and that indicate their level of understanding. A formal research paper is also required. This course is two semesters.

Materials Requirements: Textbook

Grading Scale: 10% scale, 90 – 100 = A

Textbook: Bentley, Jerry H., Herbert F. Ziegler and Heather E. Streets, *Traditions and Encounters: A Brief Global History*, 2008, McGraw Hill, Boston. ISBN 978-0-07-353453-4

Textbook Requirement: Purchase

Course Name: Economics (High School)

Delivering Site: Peetz High School

Instructor: Tammy Fehringer

Credits: High School Credit

Prerequisites: none

Days in Session: 5

Course Description: Students will study the role of economics in our environment. Economic theories and principles will be examined. Students will understand how economics has evolved as a social science. An investigation of economic topics such as: supply and demand, inflation, the Federal Reserve System, comparative advantage, exchange rates, unemployment, and international trade will be thoroughly examined.

Materials Requirements: Every student must have a three-ringed binder

Grading Scale:

98-100	A+
92-99	A
90-93	A- and so forth

Textbook: Contemporary Economics, William A. McEachern, Southwest Publishing
Free Enterprise, *Our Heritage, Our Wealth*, 4th ed. A. Paul Ballantyne

ISBN: 0-538-43700-6

Textbook Requirement: 10 books available from host school for loan

Course Name: Med Prep

Delivering Site: Haxtun

Instructor: Cathy Starkebaum

Course Description: The Med Prep program is a health occupations education program that is aligned with Colorado Vocational Education Program Standards. This core curriculum emphasizes principles and skills of health care workers as well as preventive care and maintenance of health. Its focus is to prepare students for high-demand healthcare careers. Students earn dual high school and college credit and will have access to instructors through the high school, community college, local hospitals and distance learning. Class content is multi-faceted and includes but may not be limited to:

- Medical terminology* (1st semester)
- CPR/First Aid for the Professional* (1st semester)
- Certified Nursing Assistant (CNA)state-approved curriculum** (2nd semester)
- Job shadow and/or clinical hours in student chosen areas of health care (2nd semester)

- HOSA state and national curriculum as well as State conferences and competitions (optional). The first semester will be med. Terminology, Legal & Ethical Issues, HIPPA regulations and CPR/First Aid. Second semester students will receive training for CNA, EMT, or Medical Office Skills. CNA and EMT training can be obtained from local community classes or the CNA class in Haxtun. The student just has to complete the chosen training by May.

Goals and Objectives: Upon completion of this class, students could:

- receive college credit upon successful completion of the following units:
 - Med Terminology (HPR 178- 2 cr), *CPR/PR (HWE 103- 1 cr), Law & Ethics (HPR106- 2 cr), Health Career Options & Readiness (HPR 104- 1 cr), Customer Service in Health Care (HPR 101- 2 cr), CNA Health Care Skills (NUA 101- 4 cr), Nurse Aide Clinical (NUA 171- 1 cr), Intro. To Health (HPR 100- 3 cr), Dietary Nutrition (HPR 108-1 cr)
 - ** be eligible to sit for the State CNA exam or EMT exam after successfully completing the academic and skills requirements of the curriculum.
- OR
- Have the necessary skills to obtain a position in an office in a medical setting.

In addition, students will have received on-site training in health care facilities, enhancing their soft skills and other job skills necessary for success in today's healthcare world.

Prerequisites: Biology and Anatomy* (*Anatomy can be taken during the same year as Med Prep); Grades 11 & 12

Days in Session: 5; Two semesters

Credits: College Credit

Materials Requirements: CPR individual mask, scrubs (if required by clinical facility), background check

Grading Scale: A = 90 – 100%
 B = 80 – 89%
 C = 70 – 79%
 D = 60 – 69%
 F = 59% and below

Textbook: Diversified Health Occupations by Simmers; 6th Edition 2005 ISBN 1-4018-1456-5
 A Short Course in Medical Terminology by C.E. Collins, 2008 ISBN 0-7817-4767-8
 CPR/First Aid for the Professional - American Red Cross ISBN 0-8016-7064-0

Textbook Requirement: Purchase

Course Name: Pre-Engineering

Delivering Site: Lone Star

Instructor: Dena Palser

Credits: High School Science Credit

Prerequisites: Algebra II (or concurrent), Chemistry, Physics or at least Freshman Physical Science

Days in Session: Tuesday-Friday

Course Description: Principals of Engineering: Helps student understand the field of engineering, explores systems and processes to learn how math, science and technology help people

Materials Requirements: Substantial access to computer lab. Additional materials may be required – yet to be determined.

Grading Scale: 92-100 A 62-81 C
82-91 B No D 71-0 F

Textbook: Engineering the Future – Boston Museum of Science

Textbook Requirement: Purchase

Course Name: Spanish I

Delivering Site: Holyoke

Instructor: Stefan Betley

Credits: High School Credit

Prerequisites: None

Days in Session: MTWTF

Course Description: The students learn the basics of grammar through listening and writing exercises, also through oral practice with repetitions after the teacher. These students are also introduced to the music, art, foods, geography, and customs of the Spanish-speaking countries. Students learn to carry simple conversations in Spanish.

Materials Requirements: Every students needs to have a bound notebook to take notes in and paper for writing assignments.

Grading Scale: A 100-90; B 89-80; C 79-70; D 69-60; F 59-0

Textbook: Glencoe Spanish 1 ¡Buen viaje!

ISBN: Spanish 1 ISBN 0-02-641219-5

Textbook Requirement: Each school will provide textbooks to students.

Course Name: Spanish II

Delivering Site: Holyoke

Instructor: Stefan Betley

Credits: High School Credit

Prerequisites: Spanish 1 or consent of the instructor

Days in Session: MTWTF

Course Description: Students enlarge their knowledge by reading short selections, and writing original compositions in Spanish. Short skits are acted out and the study of grammar is continued. There is a brief introduction of Spanish literature. Proper repetition and idiomatic expressions are emphasized.

Materials Requirements: Every students needs to have a bound notebook to take notes in and paper for writing assignments.

Grading Scale: A 100-90; B 89-80; C 79-70; D 69-60; F 59-0

Textbook: Glencoe Spanish 2 ;Buen viaje!

ISBN: Spanish 2 ISBN 0-07-825682-8

Textbook Requirement: Each school will provide textbooks to students.

Course Name: Spanish III & IV

Delivering Site: Holyoke

Instructor: Stefan Betley

Credits: High School Credit

Prerequisites: Successful completion of Spanish 2 and consent of instructor

Days in Session: MTWTF

Course Description: Independently studied. Spanish and Latin American literature are studied in depth. Students translate different materials from Spanish into English and vice versa. They practice letter writing. Compositions and dictation are used as tools for reviewing the language. Fine points of grammar are studied. Students read short stories, drama, poetry, and specially adapted novels. They begin to write letters. Classes are conducted in Spanish most of the time.

Materials Requirements: access to the internet

Grading Scale: 90 A 80 B 70 C 60 D 59 F

Textbook: TBA

ISBN:

Textbook Requirement: e.g. Purchase or Loan