

GREAT BEND HIGH SCHOOL PROGRAM OF STUDIES BOOK
2011-2012 SCHOOL YEAR
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REQUIREMENTS FOR GRADUATION

CREDIT REQUIREMENT

Students must earn a minimum of twenty-four (24) units of credit in grades 9-12.

COMMUNICATIONS:

Four (4) units of English. Must be English I, II, III, IV.

MATHEMATICS:

Three (3) units of Math.

SCIENCE:

Three (3) units of Science.

SOCIAL SCIENCE:

Three (3) units of Social Science - U.S. History, U.S. Government, and one (1) additional Social Studies unit.

PHYSICAL EDUCATION:

One (1) unit of Physical Education/Health.

FINE ARTS:

One (1) unit of Fine Arts

GRADE ADVANCEMENT

Great Bend High School has a policy regarding units earned and grade advancement. This policy is based upon the current requirement that a student earns 24 units in order to graduate from Great Bend High School. A half-unit is earned for each subject successfully completed for each semester during the school year. The policy is as follows:

A freshman must have earned (6) units to be considered a sophomore for the next school year.

A sophomore must have earned (12) units to be considered a junior for the next school year.

A junior must have earned (18) units to be considered a senior for the next school year.

A senior must have earned (24) units by the end of the second semester of their senior year in order to participate in the graduation ceremony.

No student shall be allowed to graduate prior to the completion of the seventh semester of high school. Each request is to be determined by the high school principal on the merits of the individual circumstances; one case shall not set a precedent for others (BOE policy IHFB). Enrollment at GBHS will be full-time unless approved by the high school principal or designee.

Notice of Nondiscrimination

Elementary and secondary students, parents of elementary and secondary school students, employees, applicants for admission and employment, and sources of referral of applicants for admission and employment are hereby notified that Unified School District 428 (USD 428) does not discriminate on the basis of race, color, national origin, sex, handicap/disability, age, or religion in admission or access to, or treatment or employment in, its programs and activities.

Any person having inquiries concerning USD 428's compliance with the regulation implementing Title VI of the Civil Rights Act of 1964 (Title VI), Title IX of the Education amendments of 1972 (Title IX), Section 504 of the Rehabilitation Act of 1973 (Section 504), or Title II of the Americans with Disabilities Act of 1990 (ADA) is directed to contact the ADA and Section 504 coordinator, Director of Curriculum and Instruction, and Director of Special Services, USD 428, 201 South Patton Road, Great Bend, KS 67530 (telephone 620-793-1500).

**WEIGHTED GRADE POINT SCALE
FOR
GREAT BEND HIGH SCHOOL**

Grade point averages are used to determine honor roll and class rank. Grade point averages for most courses are figured on a four point scale. (A=4, B=3...) In certain enriched and advanced courses, grade points are awarded on a weighted scale which adds a:

- .25 grade point for each credit earned and
- .125 grade point for each 1/2 credit earned.

Weighted courses:

Advanced English II	Biology III
Advanced English III	Human Anatomy & Physiology II
Advanced English IV	Advanced Chemistry I
AP English III	Chemistry II
AP English IV	Advanced Physics I
Debate II	Physics II
Debate III	Spanish III & IV
Debate IV	German III & IV
Competitive Speech II	Integrated Applications
Competitive Speech III	Computerized Accounting II
Competitive Speech IV	Computerized Accounting III
Algebra II	Journalism II-Newspaper
College Algebra	Journalism II-Yearbook
College Algebra/Trigonometry	
Intro to Calculus	

WHAT YOU NEED TO KNOW.....

IF YOU ARE GOING TO ATTEND A KANSAS REGENTS UNIVERSITY
(KU, K-STATE, WICHITA STATE, EMPORIA, FORT HAYS OR PITTSBURG):

GBHS GRADUATION REQUIREMENTS

24 credits needed for diploma

15 required credits:

*4 units of English

(You must take 4 units of Eng I-IV)

*3 units of Math

(any 3 Math courses)

*3 units of Science

*3 units of Social Studies

U.S. History
U.S. Government
and 1 additional
Social Studies unit

*1 unit of Fine Arts

*1 unit of Physical Ed.

An additional 9 electives are required. Students must enroll in a full schedule each year.

QUALIFIED ADMISSIONS

(To a Regents University)

Guaranteed admission if you meet

ONE of the following options:

1. ACT Score of 21 or higher,
2. Top 1/3 class ranking, OR
3. Complete the following with a 2.0 GPA:

Required curriculum:

*4 units of English

(You must take 4 units of English I-IV)

*3 units of Math

(3 years must be during high school)

Algebra I and higher courses and must include Algebra II

*3 units of Science

Biology I, II, III

A & P I, & II

**one unit must be Chemistry or Physics

(Does not include Conceptual courses)

*3 units of Social Studies

U.S. History
U.S. Government
and 1 additional Social Studies unit
(Does not include Civics)

*No Foreign Language required

Students may transfer from another college (junior college or private college) with a 2.0 GPA or higher and 24 credit hours if they do not meet QA requirements.

STATE OF KANSAS SCHOLAR/ BOARD OF REGENTS CERT.

(Recommended Curriculum)

To qualify for a 4-year scholarship you must complete the following:

Required curriculum:

*4 units of English

*4 units of Math

Algebra I

Geometry

Algebra II

(one unit beyond Algebra II)

*3 units of Science

Biology I

Chemistry

Physics

(Does not include Conceptual courses)

*3 units of Social Studies

Geography; World History;

Economics

U.S. History

U.S. Government

*2 units in one Foreign Language

Scholarships are awarded based on the following:

1. GPA
2. ACT Score
3. FAFSA index rating based on need.
4. Application each year.

CONTACT THE GUIDANCE OFFICE IF YOU HAVE FURTHER QUESTIONS.

COURSE DESCRIPTION SECTION

I. COMMUNICATIONS

COURSE NUMBER	COURSE TITLE	GRADE LEVEL	CREDIT
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A student must earn four units of Communications credits to graduate. English I, II, III, IV are required.

Required courses

01001	English I	9	1
010661 **	English Skills I	9	1
01002	English II	10	1
010662 **	English Skills II	10	1
01003	English III	11	1
010663 **	English Skills III	11	1
01004	English IV	12	1

Elective Courses in Communications

01051	H Advanced English II	10	1
01054	H Advanced English III	11	1
01005 *	H Adv. Placement English III	11	1
01156 **	Senior English	12	1
01056 *	H Advanced English IV	12	1
01006 *	H Adv. Placement English IV	12	1
010091/010092	Language Arts	9-10-11-12	1
01151	Speech I	9-10-11-12	1
011531	Debate I	9-10-11-12	1/2
011532	H Debate II	10-11-12	1/2
011533	H Debate III	11-12	1/2
011534	H Debate IV	12	1/2
011521	Comp. Speech I	9-10-11-12	1/2
011522	H Comp. Speech II	10-11-12	1/2
011523	H Comp. Speech III	11-12	1/2
011524	H Comp. Speech IV	12	1/2
11101	Journalism I	10-11-12	1
111041	H Journalism II-News	11-12	1
111042	H Journalism II- Yearbook	11-12	1

*Dual Credit with Barton Community College if student qualifies with appropriate ASSET or ACT Score.

**English Skills I, II, III and Senior English by recommendation only

H = Honors course with the Weighted Grade Point Scale

Enrollment in Advanced English or AP English classes will be made by teacher recommendation. Student recommendations for classes will be based upon Kansas Reading assessment scores; and work/study habits in the regular classroom.

COMMUNICATIONS

01001 ENGLISH I

Freshman English students build upon their prior knowledge of grammar, vocabulary, word usage and the mechanics of writing. Composition stresses paragraph development and construction of the multi-paragraph essay. Writing often accompanies literature units. The short story, drama, novel, and epic poem are studied.

01002 ENGLISH II

Sophomore English students focus on composition and literature. Vocabulary and grammar study aid in the creation of multi-paragraph essays and compositions. Expository themes and the development of a thesis statement are emphasized. In literature both classical and contemporary works are studied. Short stories, nonfiction, poetry and drama aid students in improving their reading and comprehension rate. Students develop skills to determine the author's intent and theme and recognize the author's techniques.

Pre-requisite - English I

01051 ADVANCED ENGLISH II

Advanced sophomore English students pursue a college preparatory curriculum that includes vocabulary study, grammar, analysis of various literary genres, and composition of the essay. Genres studied include the novel, short story, poetry and drama. Students explore the literary elements of each genre and the author's theme and intent. The process-writing approach is used to assist students in learning the techniques of group analysis and critiquing and to improve understanding and comprehension.

Prerequisites: Teacher Recommendation

01003 ENGLISH III

Junior English students continue to develop their writing skills. Emphasis is placed on clear, logical writing patterns, and word choice. Students begin to learn the techniques of writing a research paper and continue to read literature that focuses on the American literary tradition. Greater attention is paid to literary convention and stylistic devices than in previous courses.

Pre-requisite - English I and II

01054 ADVANCED ENGLISH III

Advanced junior English students focus upon commonly known American authors and their work. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses, and written compositions are required. The class follows a college preparatory curriculum and includes an extensive grammar review. Reading selections, writing requirements, and vocabulary assessments are more challenging than those used in English III.

Prerequisite: Teacher recommendation or Advanced English II

01005 ADVANCED PLACEMENT ENGLISH III

(College Advantage)

Advanced placement junior English students follow the College Board's suggested curriculum designed to parallel college-level English courses. The course is offered to juniors who demonstrate superior writing, reading and analytical skills. American literature is used as a basis for this college preparatory class. Students write compositions covering a variety of subjects intended for various purposes including a formal research paper required for credit in this class. Those taking the class for college credit earn 3 hours in ENGL 1204 Composition I from Barton Community College.

Prerequisites: English II Advanced and a qualifying score on the ASSET or ACT.

01004 ENGLISH IV

Senior English students pursue a course that blends composition and literature into a cohesive whole. Students write critical and comparative analyses of selected literature and continue to develop their language arts skills. The students investigate all types of literature and composition and college level material is presented. A formal research paper is required for credit in the course.

Pre-requisite - English III.

01156 SENIOR ENGLISH

Applied senior English students concentrate on improving the communication skills necessary to prosper in their vocational and personal lives. The course emphasizes the study of technical and business materials and the in-depth study of a career. The students utilize research and reading to complete a research project on a career choice.

Prerequisites: Consent of Instructor

01056 ADVANCED ENGLISH IV (College Advantage)

Advanced senior English students have a college preparatory curriculum which emphasizes British literature. Reading selections, writing requirements, and vocabulary assessments are more challenging than those administered in English IV. Students complete an ACT review and must submit a passing research paper to receive credit. A number of other expository and technical writings are required throughout the year. Those taking the class for college credit earn 3 hours in ENGL 1204 Composition I from Barton Community College.

Prerequisites: English III Advanced and a qualifying score on the ASSET or ACT.

01006 ADVANCED PLACEMENT ENGLISH IV (College Advantage)

Advanced placement senior English students follows the College Board's suggested curriculum designed to parallel college-level English courses. The course is offered to seniors who demonstrate superior writing, reading and analytical skills. The level and complexity of the literature require maturity on the part of the student. Literary selections from Greek, English, German and French genres are used as a basis for this class. Students do timed expository writings in preparation for the A.P. test that is given in the spring, as well as other expository and technical pieces to prepare them for college and the work world. An ACT review and college preparatory vocabulary is incorporated into the curriculum. Any student who was not enrolled in A.P. English III must successfully complete a research paper. Those taking the class for college credit earn 3 hours in LITR 1210 Introduction to Literature from Barton Community College.

Prerequisites: English III Advanced and a qualifying score on the ASSET or ACT.

010091-010092 LANGUAGE ARTS I, II

Language Arts is offered to ESL students to improve reading and writing skills. The class emphasizes oral language and vocabulary, word recognition skills, fluency, reading comprehension in the narrative and expository text and writing.

Prerequisite: Administrative placement

010661 ENGLISH SKILLS I

Freshman English skills students focus on improving their vocabulary, critical thinking and analytic skills, reading rate and reading comprehension levels. The reading of expository and technical text is emphasized and appropriate level fiction is included. Students work to master the Kansas State Reading Standards and prepare for the Kansas State Reading Assessment.

Prerequisite: Administrative placement

010662 ENGLISH II SKILLS

Sophomore English skills students focus on improving their vocabulary, critical thinking and analytic skills, reading rate and reading comprehension levels. The reading of expository and technical text is emphasized and appropriate level fiction is included. Students work to master the Kansas State Reading Standards and prepare for the Kansas State Reading Assessment.

Prerequisite: Administrative placement

010663 ENGLISH III SKILLS

Junior English skills classes are intended to improve students' vocabulary, critical thinking and analysis skills, reading rate and reading comprehension levels. Focus is on the Kansas State Reading Standards and preparation for the Kansas State Reading Assessment. The reading of expository and technical text is emphasized and appropriate level fiction is included.

Prerequisite: Administrative placement

COMMUNICATION ELECTIVES – THESE DO NOT QUALIFY FOR ENGLISH GRADUATION CREDITS

01151 SPEECH I

This course enables students, through practice, to develop communication skills that can be used in a variety of speaking situations (such as small and large group discussions, delivery of lectures or speeches in front of audiences, and so on). Course topics include (but are not limited to) research and organization, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique, and development of self-confidence.

011531-011532-011533-011534 DEBATE I, II, III, IV

This first semester course emphasizes speaking on the competitive level. Working with a partner, students will be given the opportunity to attend state and national competitions. Debate concentrates on one national or international problem area and students will speak on both sides of the problem. The course emphasizes more advanced speech skills, research, argumentation and logic. No prior experience in debate or speech is required.

Students will travel to tournaments on a weekend basis. The maximum number of tournaments is limited by the KSHSAA and the instructor, with individual student consultation, sets a minimum number. This course is open to freshmen, sophomores, juniors or seniors. The student must have at least a B in their English classes since Students must be able to read debate evidence fluently and with a high level of comprehension.

011521-011522-011523-011524 COMPETITIVE SPEECH I, II, III, IV

This second semester course emphasizes interpretation and speaking on the competitive level. Most competition is on an individual basis. Students may choose from the following 10 areas: extemporaneous speaking, oratory, informative speaking, impromptu speaking, poetry or prose reading, duet acting, impromptu duet acting, and dramatic or humorous interpretation. Students will be expected to research, write, and memorize speeches, as well as read a book or play and cut it down to a 5-10 minute acting scene that they will analyze, memorize and act out in the acting events. First year students are expected to perform both the acting and public speaking events in class, but they get to choose 2 events they want to compete in at tournaments. No prior experience in debate or speech is required. **Students will travel to tournaments on a weekend basis.** The maximum number of tournaments is limited by the KSHSAA and the instructor, with individual student consultation, sets a minimum number. This course is open to freshmen, sophomores, juniors or seniors.

11101 JOURNALISM I

This course emphasizes writing styles and techniques as well as production values and organization. This course introduces students to the concepts of newsworthiness and press responsibility; develops students' skills in writing and editing stories, headlines, and captions; and teaches students the principles of production design, layout, and printing. Photography and photojournalism skills may be included.

Prerequisites include completion of Computer Apps. I and a C or better in English I, or teacher's prior approval.

111041 JOURNALISM II – NEWSPAPER

111042 JOURNALISM II - YEARBOOK

These courses provide students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publications. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication. Student must complete application.

II. MATHEMATICS

COURSE NUMBER	COURSE TITLE	GRADE LEVEL	CREDIT
02053	Algebra IA	9-10	1
02054	Algebra IB	10-11-12	1
02052	Algebra I	9-10-11-12	1
02074	Intermediate Algebra	10-11-12	1
02072	Geometry	9-10-11-12	1
02056	H Algebra II	10-11-12	1
02057 *	H College Algebra	11-12	1
02106 *	H College Algebra/Trigonometry	11-12	1
02121	H Intro to Calculus	12	1
02157	Consumer Math	12	1

Students must earn 3 units of Mathematics credits to graduate.

*Concurrent Credit for College Algebra with Barton Community College is possible if student qualifies with a score of 41 in math and a 40 in reading on the ASSET or a 23 on the ACT score. The ASSET test will be given during the fall semester of the year- long course. Students taking College Algebra/Trigonometry must have a qualifying score on file prior to the beginning of the fall semester to be eligible for dual credit. Concurrent credit requires additional paperwork with BCC and payment of college tuition. Boost Scholarships are available for students on free or reduced lunches.

H = Honors course with Weighted Grade Point Scale.

MATHEMATICS

02053 ALGEBRA IA

The first part in a multi-part sequence of Algebra I. This course generally covers the same topics as the first semester of Algebra I, including the study of properties of rational numbers (i.e., number theory), ratio, proportion, and estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first degree equations and inequalities.

02054 ALGEBRA IB

The second part in a multi-part sequence of Algebra I. This course generally covers the same topics as the second semester of Algebra I, including the study of properties of the real number system and operations, evaluating rational algebraic expressions, solving and graphing first degree equations and inequalities, translating word problems into equations, operations with and factoring of polynomials, and solving simple quadratics.

02052 ALGEBRA I

This course includes the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

02074 INTERMEDIATE ALGEBRA

This course combines the study of some pre-algebra and algebra topics with introductory geometry topics. This course includes the study of formulas, algebraic expressions, first degree equations and inequalities, the rectangular coordinate system, area, perimeter, and volume of geometric figures, and properties of triangles and circles.

Prerequisite - Algebra I

02072 GEOMETRY

This course, emphasizing an abstract, formal approach to the study of geometry, includes topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

Prerequisite - Algebra I

02056 ALGEBRA II

This course's topics include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents.

Prerequisite - Geometry

02057 COLLEGE ALGEBRA

(College Advantage)

This course reviews and extends algebraic concepts for students who have already taken Algebra II.

Course topics include (but are not limited to) operations with rational and irrational expressions, factoring of rational expressions, linear equations and inequalities, quadratic equations, solving systems of linear and quadratic equations, properties of higher degree equations, and operations with rational and irrational exponents. The courses may introduce topics in discrete math, elementary probability and statistics; matrices and determinants; and sequences and series.

Prerequisite - Algebra II

02106 COLLEGE ALGEBRA/TRIGONOMETRY (College Advantage)

This course combines trigonometry and advanced algebra topics, and is intended for students who have attained Algebra I and Geometry objectives. Topics include right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; and properties of higher degree equations.

Prerequisite - Algebra II and a qualifying score on the ASSET or ACT.

02121 INTRO TO CALCULUS

This course includes the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis).

Prerequisite - Trigonometry

02157 CONSUMER MATH

This course reinforces general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and applies these skills to consumer problems and situations. Applications include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.

III. SCIENCE

COURSE NUMBER	COURSE TITLE	GRADE LEVEL	CREDIT
03994	Science	9	1
03003	Environmental Science	11-12	1
03051	Biology I	9-10-11	1
03061	Biology II (Zoology)	10-11-12	1
03056 *	H Biology III (College Advantage)	11-12	1
03053	Human Anatomy & Physiology I	10-11-12	1
03054	H Human Anatomy & Physiology II	11-12	1
03105	Conceptual Chemistry	10-11-12	1
03101	H Advanced Chemistry I	10-11-12	1
03102	H Chemistry II	11-12	1
03161	Conceptual Physics	11-12	1
03151	H Advanced Physics I	11-12	1
03152	H Physics II	12	1

* Dual Credit with Barton Community College - You must take Biology I, Biology II, and Biology III (in consecutive order) to receive 5 credit hours from BCC.

H = Honors course with the Weighted Grade Point Scale.

SCIENCE

03994 SCIENCE

Science is designed to assist students in acquiring the skills necessary to pass proficiency examinations related to the life sciences and physical sciences.

Prerequisite: None

03003 ENVIRONMENTAL SCIENCE

Environmental Science examines the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, this course will cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

Prerequisite: Science and Biology I.

03051 BIOLOGY I

Biology I is designed to provide information regarding the fundamental concepts of life and life processes. This course includes such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

Prerequisite - None

03061 BIOLOGY II (Zoology)

Biology II provides students with an understanding of animals, the niche they occupy in their environment or habitat, their life cycles, and their evolutionary relationships to other organisms. This course should also help students develop an awareness and understanding of biotic communities.

Prerequisite - Biology I with a "C" or higher

03056 BIOLOGY III

(College Advantage)

Adhering to the curricula recommended by the College Board and designed to parallel college level introductory biology courses, this course stresses basic facts and their synthesis into major biological concepts and themes. This course covers three general areas: molecules and cells (including biological chemistry and energy transformation); genetics and evolution; and organisms and populations (i.e., taxonomy, plants, animals, and ecology).

Prerequisite- Biology II

03053 HUMAN ANATOMY & PHYSIOLOGY I

Human Anatomy and Physiology I presents the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.

Prerequisite - Biology I with a "C" or higher

03054 HUMAN ANATOMY & PHYSIOLOGY II

Human Anatomy and Physiology II presents an in-depth study of the human body and biological system. Students will study such topics as anatomical terminology, cells, and tissues and will explore functional systems such as skeletal, muscular, circulatory, respiratory, digestive, reproductive, and nervous systems.

Prerequisite - Human Anatomy & Physiology I

03105 CONCEPTUAL CHEMISTRY

Conceptual Chemistry is a practical, nonquantitative chemistry course designed for students who desire an understanding of chemical concepts and applications.

Prerequisite - Biology I

03101 ADVANCED CHEMISTRY I

Chemistry I involves studying the composition, properties, and reactions of substances. This course explores such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.

Prerequisite - Algebra II (or concurrently taking) and Biology I.

03102 CHEMISTRY II

Chemistry II covers chemical properties and interactions in more detail. Course topics include organic chemistry, thermodynamics, electrochemistry, macromolecules, kinetic theory, and nuclear chemistry.

Prerequisite – Advanced Chemistry I and consent of instructor.

03161 CONCEPTUAL PHYSICS

Conceptual Physics introduces students to the use of chemicals, characteristic properties of materials, and simple mechanics to better describe the world and nonliving matter. The course emphasizes precise measurements and descriptive analysis of experimental results. Topics covered include energy and motion, electricity, magnetism, heat, the structure of matter, and how matter reacts to materials and forces.

Prerequisite - This course is open to juniors and seniors who have taken or are concurrently enrolled in Algebra II and Biology I.

03151 ADVANCED PHYSICS I

Physics I involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.

Prerequisite -Algebra II. Recommended Trigonometry or concurrently enrolled in Trigonometry and Biology I.

03152 PHYSICS II

Physics II provides instruction in laws of conservation, thermodynamics, and kinetics; wave and particle phenomena; electromagnetic fields; and fluid dynamics.

Prerequisite – Advanced Physics I.

IV. SOCIAL SCIENCE

COURSE NUMBER	COURSE TITLE	GRADE LEVEL	CREDIT
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A student must earn 3 credits of Social Science for GBHS graduation.

Required Courses

04103	U.S. History	11	1
04151	U.S. Government	12	1

Elective Courses

04161	**Civics	9-12	1/2
04053	World History	9-12	1/2
04001	Geography	9-12	1/2
04201	Economics	9-12	1/2
04299	Current Events (does not qualify for Social Studies graduation credit)	9-12	1
04254	*Psychology	11-12	1/2
04258	*Sociology	11-12	1/2

*Psychology and Sociology are taken at Barton Community College for dual credit.

**Civics does not meet the Social Studies requirement for Qualified Admissions or Kansas Board of Regents Recommended Curriculum.

SOCIAL SCIENCE

04161 CIVICS (This course does not qualify for Qualified Admissions or Kansas Board of Regents Recommended Curriculum)

Civics examines the general structure and functions of American systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system.

04053 WORLD HISTORY

World History provides an overview of the history of human society in the past few centuries—from the Renaissance period, or later, to the contemporary period—exploring political, economic, social, religious, military, scientific, and cultural developments.

04001 GEOGRAPHY

Geography provides students with an overview of world geography. Topics include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

04201 ECONOMICS

Economics provides students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. This course covers topics such as principles of macroeconomics, international economics, and comparative economics. Economics principles may be presented in formal theoretical contexts, applied contexts, or both.

04103 U.S. HISTORY

U.S. History examines the history of the United States from the Civil War or Reconstruction Era through the present time. This course includes a historical review of political, military, scientific, and social developments.

04151 U.S. GOVERNMENT

U.S. Government provides an overview of the structure and functions of the U.S. government and political institutions and examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. This course examines the structure and function of state and local governments and covers certain economic and legal topics.

04299 CURRENT EVENTS (This course does not qualify for Social Studies graduation credit.)

Current Events emphasizes relationships around the world. This course will require a large amount of participation from the students. This course will cover current events

from all geographical realms, including: International, National, State, and Local. This course will enable the students to become very familiar with what is taking place in the world around them.

04254 PSYCHOLOGY / 04258 SOCIOLOGY (College Advantage)

Psychology is offered 1st Semester and Sociology 2nd Semester at Barton Community College and is taken for dual credit.

Psychology introduces students to the study of individual human behavior. Course content includes an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

Sociology introduces students to the study of human behavior in society. This course provides an overview of sociology, including topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

V. FOREIGN LANGUAGE

COURSE NUMBER	COURSE TITLE	GRADE LEVEL	CREDIT
06101	** Spanish I	9-12	1
06102	Spanish II	10-12	1
06103	H Spanish III	11-12	1
06104	Spanish for Spanish Speakers I	9-12	1
06105	Spanish for Spanish Speakers II	10-12	1
06106	Spanish for Spanish Speakers III	11-12	1
06201	** German I	9-12	1
06202	German II	10-12	1
06203	* H German III	11-12	1
06204	* H German IV	12	1

* Dual Credit with Barton Community College

**Freshman, Sophomore and Junior students will have first priority in enrolling in beginning level foreign language courses. Seniors will be enrolled on space available.

H = Honors course with the Weighted Grade Point Scale

FOREIGN LANGUAGE

Native Spanish Speakers will be placed in classes based on home language and first language as stated on the home language survey.

For success in foreign language classes, it is recommended that Freshmen have at least a ‘B’ in English and Sophomores through Seniors have a ‘C’ or above due to the direct correlation between a student’s proficiency in their first language and proficiency in the target language.

06101 SPANISH I

Spanish I is designed to introduce students to Spanish language and culture, emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

06102 SPANISH II

Spanish II builds upon skills developed in Spanish I, extending students’ ability to understand and express themselves in Spanish and increasing their vocabulary. Students will learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students will explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).

Prerequisite - Spanish I or placement by diagnostic exam

06103 SPANISH III

Spanish III focuses on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Goals for students include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

Prerequisite - Spanish II or placement by diagnostic exam

06104 SPANISH IV/ (Spanish for Spanish Speakers I)

Spanish IV focuses on advancing students’ skills and abilities to read, write, speak, and understand the Spanish language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

Prerequisite – Spanish III or placement based on Home Language Survey or diagnostic exam

06105 SPANISH FOR SPANISH SPEAKERS II

Spanish for Spanish Speakers II extends students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs.

Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

Prerequisite – Spanish for Spanish Speakers I or placement based on diagnostic exam

4052 SPANISH FOR SPANISH SPEAKERS III

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

Prerequisite – Spanish for Spanish Speakers II

06201 GERMAN I

German I is designed to introduce students to German language and culture, emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. German culture is introduced through the art, literature, customs, and history of the German-speaking people.

06202 GERMAN II

German II builds upon skills developed in German I, extending students' ability to understand and express themselves in German and increasing their vocabulary. Students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students will explore the customs, history, and art forms of German-speaking people to deepen their understanding of the culture(s).

Prerequisite - German I

06203 GERMAN III

(College Advantage)

German III focuses on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

Prerequisite - German II

06204 GERMAN IV**(College Advantage)**

German IV focuses on advancing students' skills and abilities to read, write, speak, and understand the German language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

Prerequisite - German III

VI. BUSINESS AND MARKETING EDUCATION

Computer Studies and Information Processing

COURSE NUMBER	COURSE TITLE	GRADE LEVEL	CREDIT
10004	Computer Applications I	9-10-11-12	1
10203	Computer Applications II	10-11-12	1
10005 *	H Integrated Applications	11-12	1
10202	Advanced Multimedia	11-12	1/2
10201	Advanced Web Design	11-12	1/2
10248	Business Computer Applications: In-House Training	11-12	1
10247	Web Design In-House Training	12	1

Accounting Education

COURSE NUMBER	COURSE TITLE	GRADE LEVEL	CREDIT
10004	Computer Applications I	9-10-11-12	1
121041	Accounting I	10-11-12	1
121042	H Computerized Accounting II	11-12	1
121043	H Computerized Accounting III	12	1
12148	Accounting OJT (Cooperative Work Experience)	12	1

Marketing Education

COURSE NUMBER	COURSE TITLE	GRADE LEVEL	CREDIT
12054	Business Law	10-12	1/2
12103	Finance	10-12	1/2
12164	Marketing Essentials	10-11	1/2
12053	Entrepreneurship	10-11	1/2
12152 **	Marketing I	11-12	1
12166 **	Marketing II	12	1
12198	On-the Job Training (OJT)	12	2

*Dual Credit with Barton Community College

**With successful completion of Marketing I and Marketing II, college credit can be obtained through BCC.

H = Honors course with the Weighted Grade Point Scale

Computer Studies and Information Processing

10004 COMPUTER APPLICATIONS I

Grades 9, 10, 11, 12

In this course students will acquire knowledge of and experience in the proper and efficient use in the most commonly used computer applications – word processor, spreadsheet, database and presentation. This course also covers the proper use of the Internet and electronic mail. Computer Applications I meets the Qualified Admissions Curriculum approved by the Board of Regents for computer technology. This course is a prerequisite for all other computer courses offered at GBHS.

Prerequisite - Keyboarding in Middle School

10203 COMPUTER APPLICATIONS II

Grades 10, 11, 12

Computer Applications II will expose students to the various software applications used in multimedia design. Students will get the opportunity to create their own Web pages, explore digital image design and manipulation using Photoshop CS2, and will get to work with digital video capturing and editing, utilizing Windows Movie Maker.

Prerequisite – Computer Applications I

10005 INTEGRATED APPLICATIONS

(College Advantage)

Grades 11, 12

Integrated Applications is a one-year dual credit course. Students have the opportunity to receive three hours of college credit by paying the tuition fees as well as receiving one high school credit. This project based course is designed for individuals wanting to learn more advanced features of the Microsoft Office applications. Macromedia Dreamweaver and Firework for web and graphic design will also be explored.

Prerequisite – Computer Applications I

10202 ADVANCED MULTI-MEDIA

Grades 11, 12

Advanced Multi-Media provides students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques utilizing such applications as Adobe Photoshop, In-Design, Illustrator, Flash, and Microsoft PowerPoint. Through the use of these applications, students will create their own Web ready animations, videos, and a digital portfolio.

Prerequisite – Computer Applications II or Integrated Applications

10201 ADVANCED WEB DESIGN

Grades 11, 12

This course is designed to give students the opportunity to refine their knowledge of Web site planning, page layout, graphic design, and the use markup languages. This course will also cover security and privacy issues, such as copyright infringement, trademarks, and other legal issues relating to the use of the Internet.

Prerequisite - Computer Applications II or Integrated Applications

10248 (COMPUTER JOB TRAINING)

BUSINESS COMPUTER APPLICATIONS: IN-HOUSE TRAINING

Grade 11, 12

Computer Job Training is designed to provide students with “real live” work experience in the classroom by doing work provided by people in the business community. Students will learn about workplace skills, more about computer programs, and how to use various technology equipment.

Prerequisites - Computer Applications II or Integrated Applications

10247 WEB DESIGN IHT (IN-HOUSE TRAINING) (GBHS WEBTEAM)

Grade 11, 12

Web Design IHT provides student in-house training in various programs and upper level design and layout programming skills related to Web design. Students will contribute their skills and talents in maintaining the Great Bend High School Website.

Prerequisites – Computer Applications II or Integrated Applications and preferably Advanced Web Design and/OR Advanced Multimedia

Accounting Education

121041 ACCOUNTING I

Grades 10, 11, 12

Accounting I introduces and expands upon the fundamental accounting principles and procedures used in businesses. Course content includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are used. Advanced topics may include elementary principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process.

Prerequisite – Middle School keyboarding

121042 COMPUTERIZED ACCOUNTING II

Grades 11, 12

Computerized Accounting II introduces and expands upon the fundamental accounting principles and procedures used in businesses. Course content includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are used. Advanced topics may include elementary principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process.

Prerequisite - Accounting I

121043 COMPUTERIZED ACCOUNTING III

Grade 12

Computerized Accounting III introduces and expands upon the fundamental accounting principles and procedures used in businesses. Course content includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are used. Advanced topics may include elementary principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process.

Prerequisite - Accounting I, Computerized Accounting II

12148 ACCOUNTING OJT (Cooperative Work Experience)

Grade 12

Accounting OJT provides students with work experience in fields related to finance. Goals are set cooperatively by the student, teacher, and employer (although students are not necessarily paid). This course includes classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Prerequisite – Accounting I, Computerized Accounting II

Marketing Education

12164 MARKETING ESSENTIALS

Grades 10, 11

Marketing Essentials offers students insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content ranges considerably as general marketing principles such as purchasing, distribution, and sales are covered; however, a major emphasis is placed on kinds of markets, market identification, product planning, packaging, pricing; and business management.

One semester. One-half credit.

12053 ENTREPRENEURSHIP

Grades 10, 11

Entrepreneurship acquaints students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Topics surveyed in Business Management courses may also be included.

One semester. One-half credit.

12054 BUSINESS LAW

Grades 10, 11, 12

Business Law emphasizes legal concepts that are relevant to business and business organizations. Topics examined in this course include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities.

One semester. One-half credit.

12103 FINANCE

Grades 10, 11, 12

Finance is similar to Banking and Finance courses, but focuses specifically on finance, addressing how businesses raise, distribute, and use financial resources while managing risk. Course content involves modeling financial decisions (such as borrowing, selling equity or stock, lending or investing) undertaken by businesses.

One semester. One-half credit.

12152 MARKETING I

Grades 11, 12

Marketing I focuses on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include (but are not limited to) market research, the purchasing process, distribution systems,

warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management, and entrepreneurship. Human relations, computers, and economics are covered as well.

Prerequisite - successful completion of Marketing Essentials, Entrepreneurship, Business Law, or Consumer Economics or be a Senior.

12166 MARKETING II

Marketing II covers the same scope of topics as Marketing I but places a particular emphasis on business management and entrepreneurship, providing exposure to common techniques and problems of management.

Prerequisite - Marketing I or teacher permission

12198 ON-THE-JOB TRAINING

On-the-Job-Training provides students with work experience in fields related to marketing. Goals are set cooperatively by the student, teacher, and employer (although students are not necessarily paid). This course may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

On-the-job Training requires that students gain employment in a marketing related job for an average of 15 hours per week for the entire year. Both the business supervisor and the classroom instructor will assess work performance.

Students interested in OJT need to pick up an application from Mr. Battin.

Prerequisite – Concurrent enrollment in Marketing II and Teacher Permission

VII. FINE ARTS

COURSE NUMBER	COURSE TITLE	GRADE LEVEL	CREDIT
PERFORMING ARTS			
051101	Concert Choir	9	1
051102	Sophomore Choir	10	1
051103	A Cappella Choir	11-12	1
05111	Madrigal Pop Singers	11-12	1
05149	Advanced Musicianship	10-11-12	1
05101	Freshman Band	9	1
05102	Varsity Band	10-11-12	1
05105	Jazz Ensemble	10-11-12	1
05104	String Orchestra	9-10-11-12	1
05053	Dramatics I	9-10-11-12	1
050551	Theatre Performance I	10-11-12	1
050552	Theatre Performance II	11-12	1
050553	Theatre Performance III	12	1
CREATIVE ARTS			
05151	Introduction to Art	9-10-11	1
05999	Media Exploration	11-12	1
051581	Ceramics I	10-11-12	1
051582	Ceramics II	11-12	1
05159	Advanced Ceramics	12	1
05156	Drawing I	10-11-12	1
051542	Drawing II	11-12	1
051543	Drawing III	12	1
051571	Painting I	10-11-12	1
051572	Painting II	11-12	1
051573	Painting III	12	1
Additional courses that can be taken for a Fine Arts credit			
10202	Advanced Multi-Media	11-12	1
10201	Advanced Web Design	11-12	1
10248	Business Computer Applications:In-House Training	12	1
22205	Creative Textiles	9-10-11-12	1
22211	Fashion/Interior Design	11-12	1
22204/22151	Exploring Child Careers I &II	10-11-12	1
170011	Intro Industrial Technology	10-11-12	½
17062	Skill Mechanical Crafts	10-11-12	½
21102	Technical Drafting	9-10-11-12	1
18401/18402	Ag Mechanics/Adv Ag Mechanics	10-11-12	1
18052/18053	Horticulture I, II	10-11-12	1
01151	Speech I	9-10-11-12	1
011531/011532	Debate I, II	9-10-11-12	1/2
011533/011534	Debate III, IV	11-12	1/2
011521/011522	Competitive Speech I, II	9-10-11-12	1/2
011523/011524	Competitive Speech III, IV	11-12	1/2

*Fine Arts courses provide an opportunity for students to create, design, and/or perform under the guidance of instructors at GBHS.

PERFORMING ARTS

****All students enrolled in performance groups must meet KSHSAA requirements to compete in State and Regional competitions. In order to participate in the Variety Show, students must meet KSHSAA and GBHS eligibility requirements. This includes: choir, band, and orchestra.**

051101 CONCERT CHOIR **

Concert Choir provides the opportunity to sing a variety of choral literature styles for men's and/or women's voices and is designed to develop vocal techniques and the ability to sing parts.

051102 SOPHOMORE CHOIR **

Membership is by try-out only. Class meets every day. This group performs in the Fall, Christmas, and American Heritage concerts, state music festivals, and the Variety Show. Enrollment for this course is by audition during the spring semester of the freshman year.

051103 A CAPPELLA CHOIR **

Membership is by try-out only. Try-outs are held in the spring semester of the preceding year. The choir meets every day for one unit of credit. Activities of the choir include Christmas and fall programs, American Heritage concert, state festivals, and Variety Show.

05111 MADRIGAL POP SINGERS **

Membership is by try-out only. Membership is also contingent upon concurrent enrollment in A Cappella Choir. A detailed account of other requirements is handed out prior to try-outs in the spring.

05149 ADVANCED MUSICIANSHIP

Advanced Musicianship is a class intended to allow students the opportunity to further develop their musical skills. The class will focus on the areas of voice production (group vocal instruction), basic keyboard skills (group beginning piano), music theory (with composition) and music history. Both the student planning to continue with their musical studies at the college level, and the student only wishing to improve musical skills while in high school will find this class challenging and rewarding. *An interview with the instructor is required before enrolling in this course.*

05101 FRESHMAN BAND**

Freshman Band is an open enrollment course for freshman students who have instrumental music experience. The course will cover all aspects of skills development, marching fundamentals and techniques of ensemble playing. It is a year-long course which has two basic parts: marching and concert/contest semesters. The responsibilities of the course will include playing tests, written tests, performing at athletic events, concerts, parades, and regional and state contests. This course will include some Saturday performance responsibilities. **Grading is based on attendance at all required performances.**

05102 VARSITY BAND **

Varsity Band is a course of instrumental music which emphasizes music fundamentals in the physical performance of band literature. Varsity Band requires daily rehearsals and participation in concerts, regional and state contests, clinics, tours, and miscellaneous performances at athletic events. The year long course is divided into marching during first semester and concert/contest performances during second semester. Additional responsibilities of the course will include playing tests and written tests. This course will include some Saturday performance responsibilities. **Grading is based on attendance at all required performances.**

Prerequisite - Freshman Band

05105 JAZZ ENSEMBLE **

Jazz Ensemble is a course of instrumental music which emphasizes the performance of jazz music techniques. Improvisation and creative performance are important techniques to be used and developed in the course. This ensemble performs for civic and athletic events, as well as school activities, such as concerts and contests. This course will include some Saturday performance responsibilities. **Grading is based on attendance at all required performances.** Enrollment is by audition or permission of the instructor.

Prerequisite - Freshman Band, Varsity Band, or String Ensemble

05104 STRING ORCHESTRA **

String Orchestra provides a study in string techniques for violin, viola, cello, and bass. String Orchestra provides an in-depth study of string orchestra literature. This orchestra is for any string student, grades 9-12 interested in performing orchestral music. The responsibilities of the course include playing tests, written tests and performing at concerts and regional/state contests. This course will include some Saturday performance responsibilities. **Grading is based on attendance at all required performances.**

05053 DRAMATICS I

Dramatics I is intended to help develop students' experience and skill in one or more aspects of theatrical production. This course is introductory in nature, providing an overview of the features of drama such as acting, set design and stage management.

050551-050552-050553 THEATRE PERFORMANCE I, II, III

Theatre Performance I, II, and III are intended to promote students' experience and skill development in one or more aspects of theatrical production, but they concentrate on acting and performance skills. These courses focus on improving technique, expanding students' exposure to different types of theatrical techniques and traditions, and increasing their chances of participating in public productions.

CREATIVE ARTS

05151 INTRODUCTION TO ART

This course introduces students to the many forms of art and helps them form an aesthetic framework through which they can judge and critique art of various ages and cultures. This course also explores the place and significance of art in our society.

05999 MEDIA EXPLORATION

This course is designed to develop skills and techniques in a variety of fine art media. This course will focus on one semester of 2-D drawing and painting skills and one semester of ceramic, functional and sculptural skills. This course includes a review of the basic elements and principles of art as well as an introduction of technical skills needed to work with each medium. This course is intended for upper classmen who have not previously taken an Introduction to Art course.

051581-051582 CERAMICS I, II

These courses focus on creating three-dimensional works. Students typically work with several media (such as clay, ceramics, wood, metals, textiles, and so on), but may focus on only one medium.

05159 ADVANCED CERAMICS

This course focuses on creating three-dimensional works out of clay and ceramic material. Particular attention is paid to the characteristics of the raw materials, their transformation under heat, and the various methods used to create and finish objects.

05156 DRAWING I

This course focuses on drawing. In keeping with this attention on two-dimensional work, students work with several media (such as pen-and-ink, pencil, chalk, and so on), but may focus on only one medium.

051542-051543 DRAWING II, III

These courses provide students with the knowledge and opportunity to explore an art form and to create individual works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although these courses focus on creation, they may also include the study of major artists, art movements, and styles.

051571-051572-051573 PAINTING I, II, III

These courses focus on painting. In keeping with this attention on two-dimensional work, students work with several media (such as watercolor, tempera, oils, acrylics, and so on), but may focus on only one medium.

VIII. PRACTICAL ARTS

COURSE NUMBER	COURSE TITLE	GRADE LEVEL	CREDIT
22202	Foods	10-11-12	1
08057	Foods & Wellness	11-12	1
22205	Creative Textiles	9-10-11-12	1
22211	Fashion/Interior Design	11-12	1
22208	Balancing Work & Family	12	1
22204	Exploring Child Careers I	10-11-12	1
22151	Exploring Child Careers II	11-12	1
21051	Interactive Technology	9-10-11-12	1
21053	Advanced Technology	10-11-12	1
13002	Manufacturing Technology	11-12	1
130021	Adv. Design Manufacturing	11-12	1
170011	Intro Industrial Technology	10-11-12	½
17062	Skill Mechanical Crafts	10-11-12	½
170071	Cabinet & Furniture Design I	11-12	1
170072	Cabinet & Furniture Design II	12	1
21102	Technical Drafting	9-10-11-12	1
21107 *	Computer Aided Drafting and Design	10-11-12	1
21149 *	Advanced Computer Aided Drafting and Design	11-12	1
21103	Architectural Drafting and Design	10-11-12	1
211491	Adv Architectural Drafting and Design	11-12	1
20104 **	Automotive Technology I	11-12	2
20106 **	Automotive Technology II	12	2
18001	Agriscience	9-10-11-12	1
18101	Animal Science	11-12	1
18401	Ag Mechanics	10-11-12	1
18402	Adv Ag Mechanics	11-12	1
18052	Horticulture	10-11-12	1
18053	Horticulture II	11-12	1

*Dual credit with Barton Community College

**Dual credit taken on BCC Campus

PRACTICAL ARTS

22202 FOODS

Foods provides students with an understanding of food's role in society, instructions in how to plan and prepare meals, experience in the proper use of equipment and utensils, and background on the nutritional needs and requirements for healthy living.

08057 FOODS & WELLNESS

Foods & Wellness provides students with an understanding of food's role in society. Instruction in how to plan and prepare meals both from convenience foods and from scratch is covered. Nutrients and their functions in the body, and food sources shape the curriculum. Food preparation according to time, cost, nutritional value, and skills are discussed. Students demonstrate knowledge of wellness issues and the effect of wellness habits on their future.

Prerequisite - Foods

22205 CREATIVE TEXTILES

Creative Textiles is a sewing course that introduces students to and expands their knowledge of various aspects of textiles as well as sewing techniques. Students learn to create projects by following guide sheets and using the new technology in sewing.

22211 FASHION / INTERIOR DESIGN

Fashion is offered 1st semester and Interior Design 2nd Semester in this year long course. This course is offered with a priority to seniors and an option to juniors, class size permitting.

Fashion includes wardrobe planning; selection, care, and repair of various materials and construction of one or more garments. It also includes related topics such as fashion design, fashion history, the social and psychological aspects of clothing, careers in the clothing industry, and elements of design.

Interior Design covers a study of the basic elements and principles of design. It also includes the study of furniture styles, door and window styles, and housing styles; as well as drawing a room to scale and arranging furniture. Floor plans, new designs, new materials, and new methods of construction are covered. A final project is completed incorporating the information studied.

22208 BALANCING WORK AND FAMILY

Balancing Work and Family emphasizes building and maintaining healthy interpersonal relationships among family members and other members of society. This course emphasizes topics such as social/dating practices, human sexuality and reproduction, marriage preparation, parenthood and the function of the family unit, and the various stages of life. It may also cover topics related to individual self-development, career development, personal awareness, and preparation for the responsibilities of a family member and wage earner.

22204 EXPLORING CHILD CAREERS I

Exploring Child Careers I provides students with knowledge about the physical, mental, emotional, and social growth and development of children from conception to pre-school age. In addition, this course helps students discover how parents should respond to the various stages of childhood. Course

content includes topics such as prenatal and birth processes; responsibilities and difficulties of parenthood; fundamentals of children's emotional and physical development; and the appropriate care of infants, toddlers, and young children.

22151 EXPLORING CHILD CAREERS II

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

21051 INTERACTIVE TECHNOLOGY

Interactive Technology exposes students to the communication, transportation, energy, production, biotechnology, and integrated technology systems and processes that affect their lives. The study of these processes enables students to better understand technological systems and their applications and uses.

21053 ADVANCED TECHNOLOGY

Advanced Technology emphasizes students' exposure to and understanding of new and emerging technologies. The range of technological issues varies widely but includes lasers, fiber optics, electronics, robotics, computer technologies, CAD/CAM, communication modalities, and transportation technologies.

Prerequisite: Interactive Technology

13002 MANUFACTURING TECHNOLOGY

Manufacturing Technology introduces students to the various methods used to process and transform materials. Processing techniques covered include casting, forming, separating, assembling, and finishing. The course includes an overview of management techniques in planning, organizing, and controlling various segments of the manufacturing process, including design, engineering, production, and marketing.

Prerequisite: Advanced Technology

130021 ADVANCED DESIGN MANUFACTURING

Advanced Design Manufacturing enables students to explore topics related to manufacturing. It serves as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

Prerequisite: Manufacturing Technology

170011 INTRO INDUSTRIAL TECHNOLOGY

17062 SKILL MECHANICAL CRAFTS

Intro Indus. Technology and Skill Mechanical Crafts courses expose students to the opportunities available in construction-related trades, such as carpentry, masonry, air condition/refrigeration, plumbing, and so on. Students learn about the processes involved in construction projects and may engage in a variety of small projects. These courses emphasize responsibilities, qualifications, work environment, rewards, and career paths within construction-related fields.

Requirement- \$50 per semester, minimum to be applied to the project.

170071 CABINET & FURNITURE DESIGN I

170072 CABINET & FURNITURE DESIGN II

Cabinet & Furniture Design I and II courses provide students with experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood. Cabinetmaking courses cover the different methods of joining pieces of wood, how to use mechanical fasteners, and how to attach hardware. Initial topics may resemble those taught in Woodworking courses; more advanced topics may include how to install plastic laminates on surfaces and how to apply spray finishes.

Prerequisite –Cabinet & Furniture Design I must be taken prior to Cabinet & Furniture Design II
Requirement - \$50 per semester minimum, to be applied to the project.

21102 TECHNICAL DRAFTING

Technical Drafting introduces students to the technical craft of drawing illustrations to represent and/or analyze design specifications and then refine the skills necessary for this craft. This course uses exercises from a variety of applications to provide students with the knowledge and experience to develop the ability to perform freehand sketching, lettering, geometric construction, and multiview projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems are introduced and used to fulfill course objectives.

Recommended - Computer Applications

21107 COMPUTER AIDED DRAFTING AND DESIGN (College Advantage)

Computer Aided Drafting and Design is offered as an intermediary step to more advanced drafting courses, introduces students to the computer-aided drafting systems available in the industry.

Prerequisite - Technical Drafting

21149 ADVANCED COMPUTER AIDED DRAFTING AND DESIGN

(College Advantage)

Advanced Computer Aided Drafting and Design is open to juniors and seniors who have completed Computer Applications, Technical Drafting, and Computer Aided Drafting and Design. The training, beginning the first semester, is continued on the Auto CAD system with special attention given to 3-D drawings. During the second semester, students draw technical illustrations and machinery problems on the computer. Grading is determined by class work, test grades, and a work place skills grade. The work place skills grade is determined by the student's ability to attend class, be on time, complete quality projects and demonstrate the ability to work with others.

Prerequisite - Computer Aided Drafting and Design.

21103 ARCHITECTURAL DRAFTING AND DESIGN

Architectural Drafting and Design introduces students to and helps them refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from architectural applications. This course is intended to help students develop general drafting skills, but places a particular emphasis on interior and exterior residential (and light commercial) design, site orientation, floor plans, electrical plans, design sketches, and presentation drawings. In addition, students may prepare scale models.

Prerequisite - Technical Drafting

21108 ADVANCED ARCHITECTURAL DRAFTING AND DESIGN

Advanced Architectural Drafting and Design provides students with the knowledge and ability to interpret the lines, symbols, and conventions of drafted blueprints. It emphasizes interpreting (not producing) blueprints, although the courses may provide both types of experiences. This course uses examples from a wide variety of industrial and technological applications.

Prerequisite - Architectural Drafting and Design

20104 AUTOMOTIVE TECHNOLOGY I (College Advantage)

Automotive Technology I is an introduction to the theory of the operation, maintenance, and repair of the internal combustion engine, as well as the basic automotive maintenance.

20106 AUTOMOTIVE TECHNOLOGY II (College Advantage)

Automotive Technology II is a review of the internal combustion engine, operation, maintenance and repair as well as an in-depth study of the operation and repair of an internal combustion engine, lubrication, cooling, air supply, fuel supply, and exhaust and ignition systems. This is a two credit course and is recommended as a prerequisite for vocational auto tech and is offered to juniors and seniors.

18001 AGRISCIENCE

Agriscience surveys a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and livestock career opportunities and to those in related fields (such as natural resources). This course serves to introduce students to the agricultural field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere. This course focuses on developing communication skills, business principles, and leadership skills.

18101 ANIMAL SCIENCE

Animal Science course imparts information about the care and management of domestic and farm animals. This course covers animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing.

Prerequisite – Introduction to Agriculture plus one other course

18401 AG MECHANICS

Ag Mechanics provides students with the skills and knowledge that are specifically applicable to the tools and equipment used in the agricultural industry. While learning to apply basic industrial knowledge and skills (engine mechanics, power systems, welding, and carpentry, among others), students will explore a broad range of topics, including the operation, mechanics, and care of farm tools and machines; the construction and repair of structures integral to farm operations; a study of electricity and power principles; and safety procedures.

Prerequisite – Agriscience or consent of Instructor

18402 ADV AG MECHANICS

Adv Ag Mechanics provides students with the engineering and power technology principles, skills, and knowledge that are specifically applicable to the agricultural industry. Topics include the operation, maintenance, and repair of power, electrical, hydraulic, and mechanical systems.

Prerequisite – Agriscience, Ag Mechanics or consent of Instructor

18052 HORTICULTURE I

Horticulture I exposes students to the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. In doing so, it covers a wide variety of topics, including greenhouse and nursery operations, soils and media mixtures, fruit and vegetable production, turf/golf course management, interior and exterior plantscaping, irrigation systems, weed and pest control, and floral design.

Prerequisite – Agriscience

18053 HORTICULTURE II

Horticulture II provides information regarding the care and propagation of plants, flowers, trees, and shrubs, but places a special emphasis on those used for decorative and aesthetic purposes.

IX. PHYSICAL EDUCATION

<u>COURSE NUMBER</u>	<u>COURSE TITLE</u>	<u>GRADE LEVEL</u>	<u>CREDIT</u>
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A student must earn one unit of Physical Education credit.

080011	Physical Education I	9-10-11-12	1
080012	Physical Education II	10-11-12	1
08005	Cardio Conditioning	10-11-12	1
08009	Strength and Conditioning	9-10-11-12	1
08051	Health (Doctors note required)	9-10-11-12	1

PHYSICAL EDUCATION

080011-080012 PHYSICAL EDUCATION I, II

Physical Education I and II provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.

Recommended - Physical Education I for Physical Education II

08005 CARDIO CONDITIONING

Cardio Conditioning emphasizes conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness.

Recommended - Passing grade in PE I

8460 STRENGTH AND CONDITIONING

Strength and Conditioning helps students develop knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning.

Recommended - Passing grade in PE I

08051 HEALTH (Doctors note required)

Health is a course for the student that is not able to participate in a regular PE class because of health concerns. This course will fulfill the PE requirement. A Doctor's note is required. Topics covered within this course include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The course also includes brief studies of environmental health, personal development, and/or community resources.