

GARDEN CITY HIGH SCHOOL


GARDEN CITY, KS.



2024-2025
COURSE DESCRIPTION GUIDE

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Darlene Gillan - Special Education Department Leader.....	805-5528
Olga Barrios - Truancy Officer	805-5527

FRESHMAN ACADEMY

Principal	805-5446
Breann Dennis - Counselor	805-5427
Neil Hahn - Secretary	805-5445

PUBLIC SERVICE ACADEMY

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Jennifer Meng - Counselor	805-5439
Adel Parr - Secretary	805-5438
Maribel Sanchez - ESL Department Leader.....	805-5536

ARTS & COMMUNICATIONS ACADEMY

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TRADE & HEALTH SCIENCES ACADEMY

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ATHLETIC OFFICE

Athletic Director	805-5433
Gina Basilio – Athletic Secretary	805-5431

LIBRARY

Hillary Watson - Librarian	805-5529
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GARDEN CITY HIGH SCHOOL GRADUATION REQUIREMENTS

1. Language Arts	3 ½ Credits
a. English I (9)	1 Credit
b. English II (10)	1 Credit
c. English III (11)	1 Credit
d. Language Arts Elective	½ Credit
2. Oral Communications	1 Credit
3. Social Studies	3 Credits
a. Social Studies Elective (9)	½ Credit
b. World History (10)	1 Credit
c. U.S. History (11)	1 Credit
d. U.S. Government (12)	½ Credit
4. Mathematics	3 Credits
5. Science	Credits
a. Biology (9)	1 Credit
b. Science Electives	2 Credits
6. Computer Technology	½ Credit
7. Physical Education	1 Credit
a. Health	½ credit
b. P.E. Elective	½ credit
8. General Electives	8 Credits

24 CREDITS

GRADE LEVEL CLASSIFICATION GUIDELINES

It is recommended that students earn at least the following number of credits for each grade level
(24 credits are required for graduation):

10th Grade	5 ½ Credits
11th Grade	11 Credits
12th Grade	17 Credits

Student IDs will reflect cohort groups.

Example: A 12th grader will not graduate unless 24 graduation requirements are met.

GCHS GRADUATION REQUIREMENT CREDIT CHECK

24 Credits – Effective March 2021

Name: _____ ID#: _____

Grade: _____ Freshman _____ Sophomore _____ Junior

<p style="text-align: center;">FINE ARTS (1 Credit)</p> <p>Fine Arts Elective: _____</p> <p>Fine Arts Elective: _____</p>	<p style="text-align: center;">ORAL COMMUNICATIONS (1 Credit)</p> <p>Oral Comm. Elective: _____</p> <p>Oral Comm. Elective: _____</p>	<p style="text-align: center;">PHYSICAL EDUCATION (1 Credit)</p> <p>Health: _____</p> <p>P.E. Elective: _____</p>
<p style="text-align: center;">MATHEMATICS (3 Credits)</p> <p>Algebra Semester 1 _____</p> <p>Algebra Semester 2 _____</p> <p>Geometry Semester 1 _____</p> <p>Geometry Semester 2 _____</p> <p>Math Elective: _____</p> <p>Math Elective: _____</p>	<p style="text-align: center;">SOCIAL STUDIES (3 Credits)</p> <p>Social Studies Elective: _____</p> <p>World Hisotry Semester 1 _____</p> <p>World History Semester 2 _____</p> <p>U.S. History Semester 1 _____</p> <p>U.S. History Semester 2 _____</p> <p>U.S. Government _____</p>	<p style="text-align: center;">SCIENCE (3 Credits)</p> <p>Biology Semester 1 _____</p> <p>Biology Semester 2 _____</p> <p>Science Elective: _____</p> <p>Science Elective: _____</p> <p>Science Elective: _____</p> <p>Science Elective: _____</p>
<p style="text-align: center;">LANGUAGE ARTS (3½ Credits)</p> <p>English I Semester 1 _____</p> <p>English I Semester 2 _____</p> <p>English II Semester 1 _____</p> <p>English II Semester 2 _____</p> <p>English III Semester 1 _____</p> <p>English III Semester 2 _____</p> <p>L.A. Elective: _____</p>	<p style="text-align: center;">ELECTIVES (8 Credits)</p> <p>Elective: _____ Elective: _____</p> <p>Elective: _____ Elective: _____</p> <p>Elective: _____ Elective: _____</p> <p>Elective: _____ Elective: _____</p> <p>Elective: _____ Elective: _____</p> <p>Elective: _____ Elective: _____</p> <p>Elective: _____ Elective: _____</p> <p>Elective: _____ Elective: _____</p>	
<p style="text-align: center;">COMPUTER (½ Credit)</p> <p>Comp. Elective: _____</p>		
<p>TOTAL CREDITS EARNED: _____</p>		

REMAINING COURSES FOR SENIOR YEAR	
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

GARDEN CITY HIGH SCHOOL CAREER & TECHNICAL EDUCATION PATHWAYS

Garden City High School offers 17 prescribed career pathways, each of which adhere to the standards of the National Career Clusters Framework and help students meet the Kansas College and Career Ready Standards. Many of the pathways at GCHS include an opportunity to gain a nationally-recognized industry certification before graduation. In order to be considered a completer of a career pathway, students must earn at least 3 credits from the pathway, 2 of which must be a combination of technical and application level courses, and earn an industry-recognized certification or pass an end-of-pathway assessment.

AGRICULTURE, FOOD, AND NATURAL RESOURCES

Careers Include: Food Scientist, Environmental Engineer, Landscaper, Banker, Loan Officer, Welder, Veterinarian, Farm Manager, Food & Drug Inspector, Greenhouse Manager, Park Ranger, and over 138 additional career areas!



COMPREHENSIVE AGRICULTURE SCIENCE

Introductory Level:
Introduction to Agriculture Science
(7717/7718)

Technical Level:
Plant and Soil Science (7741/7742)
Wildlife and Natural Resources (7702/7703)

Application Level:
Animal and Meat Science (7704/7705)
Agribusiness Management (7700)
GCCC Intro. to Ag. Economics (9673)
GCCC Farm Management (9674)
Career & Technical Education Workplace Experience (See Course Description)
Advanced Career & Technical Education Workplace Experience (See Course Description)

The courses in the Comprehensive Agriculture Science pathway align well with the Production Agriculture and Animal Science programs at GCCC.



POWER, STRUCTURAL, AND TECHNICAL SYSTEMS

Introductory Level:
Introduction to Agriculture Science
(7717/7718)

Technical Level:
AWS Welding I (7706)
AWS Welding II (7714)

Application Level:
Power Mechanics/Ag Related (7731)
Construction/Ag Related (7729)
Agribusiness Management (7700)
AWS Welding III *GCCC (7708/7715)
GCCC Intro. to Ag. Economics (9673)
GCCC Farm Management (9674)
Career & Technical Education Workplace Experience (See Course Description)
Advanced Career & Technical Education Workplace Experience (See Course Description)

The courses in the Power, Structural, and Technical Systems pathway align well with the Automotive Technology and Welding Technology programs at GCCC.

MARKETING, SALES, AND SERVICE

Careers Include: Buyer, Customer Service Representative, Real Estate Broker, Business Owner, Account Executive, Store Manager, Advertising Manager, Warehouse Manager, Online Market Researcher, Customer Service Representative, Public Information Director, and over 124 additional career areas!



MARKETING

Introductory Level:
Business Essentials (7024)

Technical Level:
Entrepreneurship (7105)
Accounting I (7000)
Accounting II (7002)
Sports & Entertainment Marketing (7571)
Graphic Design (5019-5020)
Web Page Design (7042)
Computer Graphics (7036)
Principles of Marketing (7554/7555)

Application Level:
Marketing Applications (7560/7561)
Career & Technical Education Workplace Experience (See Course Description)
Advanced Career & Technical Education Workplace Experience (See Course Description)
GCCC Marketing (9675)
GCCC Accounting I (9613)
GCCC Accounting II (9612)

The courses in the Marketing pathway align well with the Management Marketing program at GCCC.

ARTS, AUDIO/VIDEO TECHNOLOGY & COMMUNICATIONS

Careers Include: Video Producer, Graphic Artist, Telecommunications Technician, Fashion Designer, Interior Designer, Radio/TV Station Manager, Reporter, Production Manager, Play Writers, Video Graphics, Effects and Animation, and over 32 additional career areas!
The courses in the Digital Media pathway align well with the Journalism/Mass Communications courses offered at GCCC.



DIGITAL MEDIA – RADIO BROADCASTING STRAND

Introductory Level:	Technical Level:	Application Level:
Computer Applications (7019/7020) Business Essentials (7024)	21st Century Journalism (6034) Audio/Video Fundamentals - Radio (5240/5241) Photo Imaging (5224) Digital Image & Media (7113) Graphic Design Fundamentals (5017) Graphic Design (5019/5020) Principles of Marketing (7554/7555)	Advanced A/V Production - Radio (5244-5245)

DIGITAL MEDIA – VIDEO BROADCASTING STRAND

Introductory Level:	Technical Level:	Application Level:
Computer Applications (7019/7020) Business Essentials (7024)	21st Century Journalism (6034) Audio/Video Fundamentals - Video (5242/5243) Photo Imaging (5224) Digital Image & Media (7113) Graphic Design Fundamentals (5017) Graphic Design (5019/5020) Principles of Marketing (7554/7555)	Advanced A/V Production - Video (5242-5243)

DIGITAL MEDIA - NEWSPAPER JOURNALISM STRAND

Introductory Level:	Technical Level:	Application Level:
Computer Applications (7019/7020) Business Essentials (7024)	Digital Media Technology - Newspaper (6030/6031) Photo Imaging (5224) Digital Image & Media (7113) Graphic Design Fundamentals (5017) Graphic Design (5019/5020) Principles of Marketing (7554/7555)	Digital Media Design & Production - Newspaper (6032-6033) GCCC Media in a Free Society (9676)

DIGITAL MEDIA – YEARBOOK JOURNALISM STRAND

Introductory Level:	Technical Level:	Application Level:
Computer Applications (7019/7020) Business Essentials (7024)	Digital Media Technology - Yearbook (6030/6031) Photo Imaging (5224) Digital Image & Media (7113) Graphic Design Fundamentals (5017) Graphic Design (5019/5020) Principles of Marketing (7554/7555)	Digital Media Design & Production - Yearbook (6032-6033) GCCC Media in a Free Society (9676)



FASHION, APPAREL, AND INTERIOR DESIGN

Introductory Level:	Technical Level:	Application Level:
Introduction to Drawing (5021/5023)	Essentials of Fashion, Apparel, & Interior Design (7530) Fashion Trends (7567) F.A.I.D Merchandising & Entrepreneurship (7548) Theatrical Costume Design & Construction (5239) Apparel Production (10th-12th: 7570) Interior Design (7568)	Career Connections (5238) Fashion, Apparel & Interior Design Studio (7569)



GRAPHIC DESIGN

Introductory Level:	Technical Level:	Application Level:
Computer Applications (7019/7020) Introduction to Drawing (5021/5023)	Principles of Illustration (5009) Photo Imaging (5224) Graphic Design Fundamentals (5017) Graphic Design (5019/5020) Computer Graphics (7036)	Project Management & Resource Scheduling (7124/7125) Career & Technical Education Workplace Experience (See Course Description)

The courses in the Graphic Design pathway align well with select Art courses offered at GCCC.

EDUCATION AND TRAINING

Careers Include: Superintendent, Instructional Coordinator, Education Researchers, Psychologist, Counselor, Teacher, Speech-Language Pathologist, Social Worker, Physical Trainer/Coach, and over 40 additional career areas!



TEACHING TRAINING

Introductory Level:
Career and Life Planning (7533)

Technical Level:
Teaching as a Career (7534/7535)

Application Level:
GCCC Exploring Teaching (7307/7308)

The courses in the Teaching Training pathway align well with the Elementary and Secondary Education programs at GCCC.

ENGINEERING

Careers Include: Chemical Engineer, Medical Researcher, Biologist, Agricultural Engineer, Electronics Technician, Fire Protection Engineer, Pharmaceutical Engineer, Meteorologist, Toxicologist, Nuclear Engineer, and over 146 additional career areas!



ENGINEERING & APPLIED MATHEMATICS

Introductory Level:
Technical Drafting (7723)
Chemistry (6618/6619)

Technical Level:
Robotics (6640/6641)
Architectural Drafting (7725/7726)

Application Level:
Materials Science & Engineering (7739/7740)
Applied Engineering (7737/7738)
Career & Technical Education Workplace Experience (See Course Description)

The courses in the Engineering & Applied Mathematics pathway align well with the Pre-Engineering program at GCCC.

FINANCE

Careers Include: Insurance Agent, Financial Planner, Tax Examiner, Tax Preparation, Commodities Sales Agent, Auditor, Credit Analyst, Bill & Account Collector, Title Researcher & Examiner, Claims Clerk, Data Processor, and over 40 additional career areas!



BUSINESS FINANCE

Introductory Level:
Business Essentials (7024)

Technical Level:
Accounting I (7000)
Accounting II (7002)
Entrepreneurship (7105)

Application Level:
Advanced Accounting I (7004)
Advanced Accounting II (7006)
Banking & Finance (7025)
Investing (7108)
Career & Technical Education Workplace Experience (See Course Description)
Advanced Career & Technical Education Workplace Experience (See Course Description)
GCCC Accounting I (9613)
GCCC Accounting II (9612)

The courses in the Business Finance pathway align well with the Business Administration program at GCCC.

KANSAS CTE SCHOLAR

The Kansas State Department of Education created the Kansas CTE Scholar initiative to recognize well-rounded outstanding Career and Technical Education (CTE) students finishing their senior year of high school. Students who meet criteria 1-3 below will receive an application in January of their Senior year. Applications are due to KSDE March 1 annually.

CTE SCHOLAR CRITERIA

GCHS Will Verify:

1. Senior Level Status
2. Have earned or presently enrolled in 3.0 of more CTE credits with documentation of technical skill attainment
3. CTE GPA of 3.5 or better in CTE coursework

Student Must Verify & Provide Documentation:

4. Civic Engagement or 100+ hours of outstanding community service (with verification letter)
5. Career vision summary statement.

HEALTH SCIENCE

Careers Include: Physical Therapist, Medical Assistant, Pediatrician, CNA, Dietician, Radiologist, EMT, Transcriptionist, Biomedical/Clinical Engineer, Athletic Trainer, and over 250 additional career areas!



BIOMEDICAL

Introductory Level:
Computer Applications (7019/7020)
Biology (6602/6603)
Chemistry (6618/6619)

Technical Level:
Body Systems (6636/6637)
Robotics (6640/6641)

Application Level:
Biotechnology (6652/6653)
Career & Technical Education Workplace
Experience (See Course Description)



HEALTH SCIENCE

Introductory Level:
Introduction to Health Science (7541)
Biology (6602/6603)
Chemistry (6618/6619)

Technical Level:
Body Systems (6636/6637)
Human Anatomy and Physiology (6628/6629)
First Aid/CPR/Special Health Topics (7811)
Health Career Investigation (7515/7516)
Biotechnology (6652/6653)
Sports Medicine (7542)

Application Level:
Health Science Rotations A (7517)
Health Science Rotations B (7540)
CSI - Classroom Science Investigations
(6604/6605)
GCCC Certified Nursing Assistant (CNA)
(9634/9635)
Career & Technical Education Workplace
Experience (See Course Description)

The courses in the Health Science pathway align well with the Athletic Training, Exercise Science, Paramedic, Practical Nursing, and Registered Nursing programs at GCCC.

HOSPITALITY AND TOURISM

Careers Include: Lodging Manager, Chef, Entertainment Facility Director, Restaurant Owner, Director of Sales and Marketing, Event/Meeting Planner, Director of Tourism and Development, Parks and Recreation Director, Guides/Rangers, Club Manager/Assistant Manager, Tourism Specialist/Travel Agent, and over 135 additional career areas!



RESTAURANT & EVENT MANAGEMENT

Introductory Level:
Business Essentials (7024)

Technical Level:
Principles of Marketing (7554/7555)
Culinary Essentials (7536)
Entrepreneurship (7105)
Culinary Arts I (7521/7522)
Baking & Pastry I (7544)
Event Planning & Management

Application Level:
GCCC Culinary Applications (7511/7512)
Career Connections - Culinary Arts &
Restaurant Management (7563)
Community Connections - Culinary Arts &
Restaurant Management (7562)
Career & Technical Education Workplace
Experience (See Course Description)

The courses in the Restaurant & Event Management pathway align well with the Culinary Application course available for dual-credit through GCCC.

HUMAN SERVICES

Careers Include: Social Worker, Certified Financial Planner, Childcare Worker, Nannies, Psychologist, Substance Abuse Counselor, Emergency/Relief Worker, Cosmetologist, Personal Trainer, Marriage/Family Counselor, and over 77 additional career areas!



EARLY CHILDHOOD DEVELOPMENT & SERVICES

Introductory Level:
Career and Life Planning (7533)

Technical Level:
Orientation to Early Childhood Development
(7519/7520)
Foundations to Early Childhood Development
(7518/7549)

Application Level:
GCCC Early Childhood Application (7527/7543)

The courses in the Early Childhood Development and Services pathway align well with the Elementary Education program at GCCC.

INFORMATION TECHNOLOGY

Careers Include: Software Engineer, Network Administrator, Web Site Developer, Information Technology Engineer, Database Manager, Desktop Publisher, Audio/Video Engineer, Applications Analyst, Virtual Reality Specialist, and over 135 additional career areas!



INFORMATION SUPPORT & SERVICES

Introductory Level:

Computer Applications (7019/7020)
Computing Systems (9145/9146)

Technical Level:

Foundations of Information Technology
(9147/9148)

Application Level:

Cybersecurity I (9143/9144)
Information Support & Services Workplace
Experience (9141/9142)



WEB & DIGITAL COMMUNICATIONS

Introductory Level:

Computer Applications (7019/7020)

Technical Level:

Graphic Design (5019/5020)
Computer Programming (7051/7061)
Animation (7112)
Web Page Design (7042)
Computer Graphics (7036)
Interactive Media (7109)
GCCC Windows Applications (7022/7023)

Application Level:

Emerging Technologies (7056)
Game Design & Authoring for the Web
(7110/7111)
Particular Topics in Media Technology (9061)
GCCC Introduction to Programming (9090)

The courses in the Information Technology cluster align well with the Computer Information Systems program at GCCC.

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

Careers Include: Attorney, Police Officer, Paralegal, Jail Administrator, Probation Officer, Fire Inspector/Investigator, Firefighter, Loss Prevention Assistant, Security Director, Court Reporter, and over 109 additional career areas!



CORRECTIONS, SECURITY, LAW, AND LAW ENFORCEMENT SERVICES

Introductory Level:

Introduction to Law, Public Safety & Security
(6853)

Technical Level:

Law I (6820/6849)
CPR/First Aid/Special Health Science Topics
(7811)
Accounting I (7000)
Accounting II (7002)
GCCC Windows Applications (7022/7023)

Application Level:

Law II (6821/6850)
CSI - Classroom Science Investigation
(6604/6605)
GCCC Accounting I (9613)
GCCC Accounting II (9612)
Career & Technical Education Workplace
Experience (See Course Description)

The courses in the Corrections, Security, and Law Enforcement Services pathway align well with the Criminal Justice program at GCCC.

MANUFACTURING

Careers Include: Machinist, Production Engineer, Automated Process technician, Electrical Installers & Repairers, Design Engineer, Manufacturing Engineer, Plumber, Maintenance Technician, Dispatcher, Millwright, and over 124 additional career areas!



MANUFACTURING

Introductory Level:

Introduction to Manufacturing (7721)
Technical Drafting (7723)

Technical Level:

Architectural Drafting (7725/7726)
AWS Welding I (7706)
AWS Welding II (7714)
Advanced Metals (7709/7710)

Application Level:

Advanced Drafting and Design (7727/7728)
AWS Welding III *GCCC (7708/7715)
Career & Technical Education Workplace
Experience (See Course Description)

The courses in the Manufacturing pathway align well with the Welding Technology program at GCCC.

ART

INTRODUCTION TO HIGH SCHOOL ART

(5000) 10, 11, 12 ½ Fine Arts Credit
This is the foundation course for all art classes throughout high school, stressing the principles of art and introducing students to a variety of media.

MIXED MEDIA

(5007) 10, 11, 12 ½ Fine Arts Credit

Prerequisite: Introduction to High School Art

Students experiment with a variety of media in combination with various types of surfaces. Projects will incorporate a mix of 2D/3D work with a variety of materials, images, and found objects. Techniques will include collage, monotype printing, drawing, painting, mixing, assemblage, cutting, and pasting, etc. Students will develop technical skills and personal style.

CERAMICS I

(5010) 10, 11, 12 ½ Fine Arts Credit

Prerequisite: Introduction to High School Art

An introduction to building with clay; ceramics one will focus on the hand building techniques pinch, coil and slab. Students will learn the basic vocabulary of ceramics as well as methods of surface treatment, and the firing process. Wheel thrown pottery will be introduced to on a limited basis.

PAINTING I

(5006) 10, 11, 12 ½ Fine Arts Credit

Prerequisite: Introduction to High School Art

Creative expression in the various painting media (watercolor, oils or acrylic) is the primary purpose of this course. No previous painting experience is required, but students will be expected to show some proficiency in drawing and design (by completing Intro to High School Art). Subject matter will include still life, landscapes, portraits, abstracts and collages.

PAINTING II

(5008) 10, 11, 12 ½ Fine Arts Credit

Prerequisite: Painting I

Painting II is an extension of Painting I. It provides the opportunity to develop more skill and knowledge of techniques in improving the painting medium. Students will be encouraged to use more experimental ideas to expand their knowledge of the possibilities of materials and composition.

DRAWING II

(5022) 10, 11, 12 ½ Fine Arts Credit

Prerequisite: Introduction to Drawing

Drawing II is an extension of Introduction to Drawing. Personal student growth will be encouraged. Students will experiment with a wider range of media and will advance in media competencies and portfolio development.

SCULPTURE I

(5012/5013) 10, 11, 12 ½ Fine Arts Credit

Prerequisite: Introduction to High School Art

Three dimensional studies is a course designed to allow the student more flexibility and exposure to a variety of materials and methods used by the artist to create sculpture. The media and techniques used will involve mixed media, casting clay, wood construction, carving, and paper mache. A major emphasis will be placed on creative uses of traditional materials and craftsmanship.

SCULPTURE II

(5014) 10, 11, 12 ½ Fine Arts Credit

Prerequisite: Sculpture I

Sculpture II is an extension of Sculpture I. It provides the opportunity to work in more advanced three dimensional designs.

ADVANCED STUDIO ART

(5015) 11, 12 ½ Fine Arts Credit

Advanced Studio Art is limited to upperclassmen. The students will create an art portfolio of their work to prepare for potential college scholarships. The students may pursue advanced studies in the areas of three dimensional and two dimensional arts with an emphasis on gallery and show production. This class is designed to allow the individual student to expand on already developed skills, exploring in-depth areas that will enrich style and personal expression.



CAREER PATHWAY: GRAPHIC DESIGN

INTRODUCTION TO DRAWING

(5021/5023)

10, 11, 12

½ Fine Arts Credit

Prerequisite: *Introduction to High School Art*

This course emphasizes the development of fundamental drawing skills. Focus will be on the application of art theory, processes and techniques that increase the power of observation. Instruction includes the elements and principles of design as applied in composition through hard copy and/or electronic software. ***This is an Introductory Level course in the Graphic Design Career Pathway.***

PRINCIPLES OF ILLUSTRATION

(5009)

10, 11, 12

½ Fine Arts Credit

Prerequisites: *Introduction to Art*

This is the introduction to graphic design course. Students will explore a variety of media, tools and supports as a means to communicate ideas. Topics include an understanding of illustration as applicable to careers in graphic design, animation, apparel/textile design, industrial design, web design, architecture, interior design and fine arts, using Adobe Illustrator and Photoshop CS6. Techniques in traditional and digital illustration applications will be explored as directly linked to ever changing social trends. ***This is a Technical Level course in the Graphic Design Career Pathway.***

PHOTO IMAGING

(5224)

10, 11, 12

½ Fine Arts Credit

Photo Imaging teaches the technical skills needed to produce quality images for use in a variety of applications. Topics include use of equipment, software and techniques to take, edit and manipulate digital images. ***Students must have a digital camera. This is a Technical Level course in the Graphic Design Career Pathway.***

GRAPHIC DESIGN FUNDAMENTALS

(5017)

10, 11, 12

½ Fine Arts Credit

Prerequisite: *Principles of Illustration, Introduction to Drawing*

This is an intermediate course in graphic design. Students will be provided with a basic understanding of the graphic design process. Topics include analyzing the design elements and principles, exploring industry tools (Adobe Photoshop and Illustrator CS6 software, printing and production equipment), and learning composition techniques to develop a quality product. ***This is a Technical Level course in the Graphic Design Career Pathway.***

GRAPHIC DESIGN

(5019/5020)

10, 11, 12

1 Fine Arts Credit

Prerequisites: *Graphic Design Fundamentals*

This is an advanced graphic design course that provides an in-depth understanding of the graphic design process. Topics include advanced composition and exploration of design concepts using advanced industry standard equipment and Adobe Photoshop and Illustrator CS6 software. This course will involve the development of and creation of advanced designs that can be applied to print, web, or video media. ***This is a Technical Level course in the Graphic Design Career Pathway.***

COMPUTER GRAPHICS

(7036)

10, 11, 12

½ Fine Arts/Computer Credit

This course is an introductory exploration of computer graphics as a technology and a creative medium. Through the use of the industry standard software, Adobe Photoshop and Illustrator CS5, students learn the fundamentals of working with raster editing and vector creating software. Students design their own images and learn about the production workflow, special effects, scanning, and output. ***This is a Technical Level course in the Graphic Design Career Pathway.***

PROJECT MANAGEMENT & RESOURCE SCHEDULING

(7124/7125)

11, 12

1 Elective Credit

Prerequisite: *2.0 Credits in Graphic Design Pathway*

Are you interested in designing artwork to be displayed around Garden City High School, or working closely with activities and athletic events happening at GCHS? The Project Management & Resource Scheduling course is primarily responsible for coordinating large projects as a team for events at Garden City High School. ***This is an Application Level course in the Graphic Design Career Pathway.***

CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE (GRAPHIC DESIGN)

(7045/7046)

11, 12

½ or 1 Fine Arts Credit

Junior or Senior students who have taken courses in the Graphic Design pathway sequence may elect to participate in this capstone course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. ***This is an Application Level course in the Graphic Design Career Pathway.***

BUSINESS



CAREER PATHWAY: BUSINESS FINANCE

BUSINESS ESSENTIALS

(7024)

10, 11, 12

½ Elective Credit

This is an introductory course to Finance, Marketing, Restaurant Management and A/V Communications Pathway designed to give students an overview of the business, marketing and finance occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in the business world. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibilities. ***This is an Introductory Level course in the Business Finance Career Pathway.***

ACCOUNTING I & ACCOUNTING II

(7000/7002)

10, 11, 12

½ Elective Credit Each

The Accounting I (semester I) course introduces the fundamental accounting principles and procedures used in businesses. Course content includes the full accounting cycle, debts, ledger, journal techniques, and periodic adjustments. Calculators, electronic spreadsheets and other automated tools are used. Accounting II (semester II) continues the study of introductory accounting principles begun in Accounting I and also covers introductory managerial accounting. Course content includes revenue recognition, inventory, payroll, taxes and depreciation. ***This is a Technical Level course in the Business Finance Career Pathway.***

ENTREPRENEURSHIP

(7105)

10, 11, 12

½ Elective Credit

This course will acquaint students with the knowledge and skills necessary to own and operate their own businesses or the ability to use the entrepreneurial mindset in an existing organization. Topics from several fields typically 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. ***This is a Technical Level course in the Business Finance Career Pathway.***

ADVANCED ACCOUNTING I & II

(7004 /7006)

11, 12

½ Elective Credit Each

Prerequisite: Accounting I and II

This course will expand upon the foundational accounting principles and procedures used in business. Course content includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, periodic adjustments, accounting functions specific to a partnership, determining suitable internal accounting controls to ensure the proper recording of financial transactions and utilizing career planning concepts to explore career possibilities in accounting. Students learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, and other automated tools are usually used. ***This is an Application Level course in the Business Finance Career Pathway.***

BANKING & FINANCE

(7025)

11, 12

½ Elective Credit

This course is an overview of the American monetary and banking system as well as types of financial institutions and the services and products that they offer. Course content may include government regulations; checking, savings, and money market accounts; loans, investments, and negotiable instruments. ***This is an Application Level course in the Business Finance Career Pathway.***

INVESTING

(7108)

11, 12

½ Elective Credit

This course emphasizes the formulation of business and individual investment decisions by comparing and contrasting the investment qualities of cash, stocks, bonds, and mutual funds. Students typically review annual reports, predict growth rates, and analyze trends. Students will participate in stock market simulations during the course. ***This is an Application Level course in the Business Finance Career Pathway.***

CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE (BUSINESS FINANCE)

(7596/7597)

11, 12

½ or 1 Fine Arts Credit

Junior or Senior students who have taken courses in the Business Finance pathway sequences may elect to participate in this capstone course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. ***This is an Application Level course in the Business Finance career pathway.***

ADVANCED CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE (BUSINESS FINANCE)

(7596/7597)

12

½ or 1 Fine Arts Credit

Senior students who have completed a work-based learning course in the Business Finance pathway may elect to participate in this advanced workplace experience course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. ***This is an Application Level course in the Business Finance career pathway.***



CAREER PATHWAY: MARKETING

BUSINESS ESSENTIALS

(7024) 10, 11, 12 ½ Elective Credit
This is an introductory course to Finance, Marketing, Restaurant Management and A/V Communications Pathway designed to give students an overview of the business, marketing and finance occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in the business world. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibilities. **This is an Introductory Level course in the Marketing Career Pathway.**

PRINCIPLES OF MARKETING

(7554/7555) 10, 11, 12 1 Elective Credit
This course offers students insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content ranges from general marketing principles such as purchasing, distribution, and sales. There is a major emphasis placed on kinds of markets; market identification, product planning, packaging and pricing; and business management. **This is a Technical Level course in the Marketing Career Pathway.**

ACCOUNTING I & ACCOUNTING II

(7000 & 7002) 10, 11, 12 ½ Elective Credit Each
The Accounting I (semester I) course introduces the fundamental accounting principles and procedures used in businesses. Course content includes the full accounting cycle, debits, ledger, journal techniques, and periodic adjustments. Calculators, electronic spreadsheets and other automated tools are used. Accounting II (semester II) continues the study of introductory accounting principles begun in Accounting I and also covers introductory managerial accounting. Course content includes revenue recognition, inventory, payroll, taxes and depreciation. **This is a Technical Level course in the Business Finance Career Pathway.**

COMPUTER GRAPHICS

(7036) 10, 11, 12 ½ Fine Arts/Computer Credit
This course is an introductory exploration of computer graphics as a technology and a creative medium. Through the use of the industry standard software, Adobe Photoshop and Illustrator CC2021, students learn the fundamentals of working with raster editing and vector creating software. Students design their own images and learn about the production workflow, special effects, scanning, and output. **This is a Technical Level course in the Marketing Career Pathway.**

GRAPHIC DESIGN

(5019/5020) 10, 11, 12 1 Fine Arts Credit
Prerequisites: Graphic Design Fundamentals
This is an advanced graphic design course that provides an in-depth understanding of the graphic design process. Topics include advanced composition and exploration of design concepts using advanced industry standard equipment and Adobe Photoshop and Illustrator CC2021 software. This course will involve the development of and creation of advanced designs that can be applied to print, web, or video media. **This is a Technical Level course in the Marketing Career Pathway.**

SPORTS & ENTERTAINMENT MARKETING

(7571) 11, 12 ½ Elective Credit
This course offers students insights into application of the marketing strategies in the sports and entertainment fields. This course will examine marketing campaigns of professional and amateur sports and other entertainment events. The final part of this class will be a project-based learning activity in which the students will plan, coordinate, market, and run a sporting or entertainment event. **Prerequisite: This is a Technical Level course in the Marketing Career Pathway.**

ENTREPRENEURSHIP

(7105) 10, 11, 12 ½ Elective Credit
This course will acquaint students with the knowledge and skills necessary to own and operate their own businesses or the ability to use the entrepreneurial mindset in an existing organization. Topics from several fields typically 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. **This is a Technical Level course in the Business Finance Career Pathway.**

WEB PAGE DESIGN

(7042) 10, 11, 12 ½ Computer Credit
This class teaches the skills necessary to design implement and maintain a large functional web site. Class topics will include coding in HTML, tables, FRONT PAGE, frames, graphics creation, JavaScript, FLASH CC2021, and DREAMWEAVER CC2021. **This is a Technical Level course in the Marketing Career Pathway.**

MARKETING APPLICATIONS

(7560/7561) 11, 12 1 Elective Credit
Prerequisite: Principles of Marketing
This course furthers student understanding and skills in the various marketing functions. Students coordinate channel management with other marketing activities, discuss the nature of marketing plans, generate product ideas, coordinate activities in the promotional mix, and demonstrate specialized sales processes and techniques. Economic and financial concepts are also stressed. Current technology will be used to acquire information and to complete projects. **This is an Application Level course in the Marketing Career Pathway.**

CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE (MARKETING)

(7579/7580) 11, 12 ½ or 1 Elective Credit
Junior or Senior students who have taken courses in the Marketing pathway sequence may elect to participate in this capstone course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. **This is an Application Level course in the Marketing career pathway.**

ADVANCED CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE (MARKETING)

(7579/7580) 12 ½ or 1 Elective Credit
Senior students who have completed a work-based learning course in the Marketing pathway may elect to participate in this advanced workplace experience course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. **This is an Application Level course in the Marketing career pathway.**

COMPUTER/INFORMATION TECHNOLOGY

OFFICE SKILLS AND PROCEDURES

(7018)

10, 11, 12

½ Elective Credit

Prerequisite: Windows Applications

This course will prepare students for office-type duties and will support students in finding part-time jobs during high school or college or for employment after high school. This course will support the work-place experience. The following skills will be covered: filing, phone answering and etiquette, office machines, oral communication skills, e-mail communications and employment skills. An office simulation practice set will be included. ***This course DOES NOT fulfill the graduation requirement in computer.***

DIGITAL IMAGE & MEDIA

(7113/7114)

10, 11, 12

1 Fine Arts Credit

Prerequisite: Photo Imaging

Students will communicate messages to the public using visual media through photographs and digital storytelling. This is an advanced photography course. Projects and activities in this course build skills learned in [Photo Imaging](#) such as [Photoshop CC2021](#) and the use of digital cameras needed to communicate messages to the public as they relate to topics involving news, social issues, government, and advertising using print and digital media.

C++ PROGRAMMING

(7054/7060)

11, 12

1 Computer Credit

Prerequisite: Computer Programming

This course is designed to develop the student's programming and problem-solving skills. Various compilers will be used to learn documentation, structure, problem solving, algorithm design and program testing. Students will complete assignments on given programming topics and procedures, building towards creating functional programs. Students will have access to check-out all programming software used.

COMPUTER LAB AIDE

(7043/7044)

11, 12

½ Elective Credit

Prerequisite: Department Leader Permission Only

This course is designed for the [ADVANCED](#) computer studies student to assist in the computer lab. The student will become proficient with lab techniques, software and equipment. Note: This course may be taken for general elective credit for a max of 2 semesters. Pass/Fail grade.



CAREER PATHWAY: INFORMATION SUPPORT & SERVICES

COMPUTING SYSTEMS

(9145/9146)

10, 11, 12

1 Computer Credit

The Computing Systems course offers a broad exploration of the use of computers in a variety of fields. The course includes the introduction of robotics and control systems, computer-assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications. ***This is an Introductory Level course in the Information Support & Services Career Pathway.***

FOUNDATIONS OF INFORMATION TECHNOLOGY

(9147/9148)

10, 11, 12

1 Computer Credit

This course is intended to provide students with exposure to various information technology occupations and the information technology pathways available: Network Systems, Information Support and Services, and Programming and Software Development. Students will demonstrate core competencies in safety, electronics and basic digital theory, overview of the internet and operating systems, basic IT terminology and concepts, organization of data and materials, and basic programming. At the conclusion of the course, students should be prepared to make an informed decision about which Information Technology program(s) of study they would like to pursue in conjunction with their individual plan of study. ***This is a Technical Level course in the Information Support & Services Career Pathway.***

CYBERSECURITY I

(9143/9144)

11, 12

1 Computer Credit

This course is intended to teach students the basic concepts of cybersecurity. The course places an emphasis on security integration, application of cybersecurity practices and devices, ethics, and best practices management. The fundamental skills in this course cover both in-house and external threats to network security and design, how to enforce network level security policies, and how to safeguard an organization's information. Students should be completing preparatory competencies toward successful completion of the CompTIA Security+ exam and attainment of certification. ***This is an Application Level course in the Information Support & Services Career Pathway.***

CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE (INFORMATION SUPPORT & SERVICES)

(9143/9144)

11, 12

½ or 1 Elective Credit

Junior or Senior students who have taken courses in the Engineering & Applied Mathematics pathway sequence may elect to participate in this capstone course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. ***This is an Application Level course in the Information Support & Services Career Pathway.***



CAREER PATHWAY: WEB & DIGITAL COMMUNICATIONS

MULTIMEDIA DESIGN

(7034) 10, 11, 12 ½ Computer Credit
Students will learn to create multimedia projects using various Web 2.0 digital learning tools with a focus on creativity, graphics, sound, text, animation and video. Students will use a variety of software and apps including Microsoft PowerPoint 2016, Apple Keynote, Google Slides, Prezi, iMovie, and various websites to create multimedia projects. Skills learned in this class can be beneficial in the workplace and in completing core class projects. ***This is an Introductory Level course in the Web & Digital Communications Career Pathway.***

WINDOWS APPLICATIONS

(7038) 10, 11, 12 ½ Computer Credit
In Windows Applications, the student will demonstrate competencies in Microsoft Office 2016 – WORD, EXCEL, ACCESS and POWERPOINT. This software will give the student skills in word processing, spreadsheets, database management and presentations and will be very beneficial for college or the workplace. ***This is a Technical Level course in the Web & Digital Communications Career Pathway.***

WEB PAGE DESIGN

(7042) 10, 11, 12 ½ Computer Credit
This class teaches the skills necessary to design implement and maintain a large functional web site. Class topics will include coding in HTML, tables, FRONT PAGE, frames, graphics creation, JavaScript, FLASH CC2021, and DREAMWEAVER CC2021. ***This is a Technical Level course in the Web & Digital Communications Career Pathway.***

COMPUTER GRAPHICS

(7036) 10, 11, 12 ½ Fine Arts/Computer Credit
This course is an introductory exploration of computer graphics as a technology and a creative medium. Through the use of the industry standard software, Adobe Photoshop and Illustrator CC2021, students learn the fundamentals of working with raster editing and vector creating software. Students design their own images and learn about the production workflow, special effects, scanning, and output. ***This is a Technical Level course in the Web & Digital Communications Career Pathway.***

INTERACTIVE MEDIA

(7109) 10, 11, 12 ½ Computer Credit
This course explores basic video design elements as students use audio and video software to create non-linear video productions. This course also teaches the skills required for creating, manipulating and publishing digital images for both print and interactive media, including extensive exposure to bitmap editing software, as well as use of vector/draw programs to develop technical and creative processes. ***This is a Technical Level course in the Web & Digital Communications Career Pathway.***

ANIMATION

(7112) 10, 11, 12 ½ Fine Arts/Computer Credit
Prerequisite: Computer Graphics
Adobe Flash CC2021 is the leading software for the creation of online based, interactive media. In this course students will learn the tools and concepts of this program and its many interactive possibilities, including drawing, image, text, animation, sound and basic action scripting integration. Students will explore the steps in creating Flash productions from start to finish, including site map and navigation building, button making, output, optimization, and testing. ***This is a Technical Level course in the Web & Digital Communications Career Pathway.***

COMPUTER PROGRAMMING

(7051/7061) 10, 11, 12 1 Computer Credit
Prerequisite: Algebra I
This course is an introduction to the theory and practice of computer programming. The emphasis of this course is on the techniques of program development within the object oriented paradigm. Topics include new technologies, emerging classes of software, control structures, and basic concepts of software development. Currently, *Visual Basic* is the programming language used in the course. Graphics and animation used in game programming will be introduced. Students will have access to check out all programming software used. ***This is a Technical Level course in the Web & Digital Communications Career Pathway.***

GRAPHIC DESIGN

(5019/5020) 10, 11, 12 1 Fine Arts Credit
Prerequisites: Graphic Design Fundamentals
This is an advanced graphic design course that provides an in-depth understanding of the graphic design process. Topics include advanced composition and exploration of design concepts using advanced industry standard equipment and Adobe Photoshop and Illustrator CC2021 software. This course will involve the development of and creation of advanced designs that can be applied to print, web, or video media. ***This is a Technical Level course in the Web & Digital Communications Career Pathway.***

PARTICULAR TOPICS IN MEDIA TECHNOLOGY

(9061) 10, 11, 12 ½ Fine Arts/Computer Credit
Prerequisite: Successful completion of Windows Applications
This course will extend the learning that occurs in *Windows Applications* to the Advanced Level to better prepare the student for passing the Microsoft Office Specialist Exams in Word, Excel, Access, PowerPoint, or Outlook. Passing any of the MOS Exams will provide the student with an industry recognized certificate and will show a high level of skill. The cost of the MOS Exam will be covered by USD #457. ***This course is an indexed course. This is an Application Level course in the Web & Digital Communications Career Pathway.***

EMERGING TECHNOLOGIES

(7056)

10, 11, 12

½ Computer Credit

Prerequisite: Windows Applications

This course will consist of instruction in Adobe InDesign desktop publishing, new and emerging technologies such as chromebooks, Microsoft surface pros, and touch screen laptops, and NAO, the humanoid robot. Students will learn how to create brochures and newsletters in an industry-standard software, InDesign. Students will research and investigate new and emerging technologies. Students will have hands-on experience using a variety of chromebooks, surfaces, and touch screen laptops. Students will learn to use Google Docs and Google Drive with chromebooks and Office 365 and One Drive with the surfaces and laptops. Students will experience the Chrome operating system, Windows 8, and Windows 10. Students will learn how to program the NAO robot to speak and move. This course offers a curriculum that includes the latest technological advances including the use of the interactive, speaking and moving humanoid robot named NAO. Students will work in teams to problem solve and explore learning programming skills to create and program different robot behaviors. **This course is an indexed course. This is an Application Level course in the Web & Digital Communications Career Pathway.**

GAME DESIGN AND AUTHORIZING FOR THE WEB

(7110/7111)

12

1 Fine Arts/Computer Credit

Prerequisite: C++ Programming

This course introduces game programming principles and techniques for planning and implementing 3D interactive games/programs. In a collaborative fashion, students are exposed to a structured process that explains how to develop 3D games incorporating object-oriented programming statements, 3D graphic scripts, character animation, sound, and music. The course concludes with a final project involving a game prototype that exhibits 3D graphics, programming and animation techniques studied in this course. **This is an Application Level course in the Web & Digital Communications Career Pathway.**



CAREER PATHWAY: DIGITAL MEDIA

21st CENTURY JOURNALISM

(6034)

10, 11, 12

½ Oral Comm. Credit

The purpose of this course is to introduce students to the role of journalism in today's society. Publications: Students will learn the journalistic writing process, which includes identifying purpose and audience, working with deadlines, conducting research and interviewing, note-taking and documenting resources. Student will learn to use publication software. Broadcasting: Students will gain first-hand experience in the fields of television and radio broadcasting. Students will learn to write radio/TV scripts, give oral presentations, conduct research and interviews, and produce broadcast quality presentations for television and radio. Students must take this course before enrolling in any of the Digital Media Programs (Radio/TV, Newspaper or Yearbook). This is a technical level course in the AV Communications Pathway for Digital Media. **This is a Technical Level course in the Digital Media Career Pathway.**

DIGITAL IMAGE & MEDIA

(7113/7114)

10, 11, 12

1 Fine Arts Credit

Prerequisite: Photo Imaging

Students will communicate messages to the public using visual media through photographs and digital storytelling. This is an advanced photography course. Projects and activities in this course build skills learned in **Photo Imaging** such as **Photoshop CC2021** and the use of digital cameras needed to communicate messages to the public as they relate to topics involving news, social issues, government, and advertising using print and digital media. **This is a Technical Level course in the Digital Media Career Pathway.**

GRAPHIC DESIGN FUNDAMENTALS

(5017)

10, 11, 12

½ Fine Arts Credit

Prerequisite: Principles of Illustration, Introduction to Drawing

This is an intermediate course in graphic design. Students will be provided with a basic understanding of the graphic design process. Topics include analyzing the design elements and principles, exploring industry tools (Adobe Photoshop and Illustrator CS6 software, printing and production equipment), and learning composition techniques to develop a quality product. **This is a Technical Level course in the Digital Media Career Pathway.**

GRAPHIC DESIGN

(5019/5020)

10, 11, 12

1 Fine Arts Credit

Prerequisites: Graphic Design Fundamentals

This is an advanced graphic design course that provides an in-depth understanding of the graphic design process. Topics include advanced composition and exploration of design concepts using advanced industry standard equipment and Adobe Photoshop and Illustrator CS6 software. This course will involve the development of and creation of advanced designs that can be applied to print, web, or video media. **This is a Technical Level course in the Digital Media Career Pathway.**

PHOTO IMAGING

(5224)

10, 11, 12

½ Fine Arts Credit

Photo Imaging teaches the technical skills needed to produce quality images for use in a variety of applications. Topics include use of equipment, software and techniques to take, edit and manipulate digital images. **It is recommended that students who enroll in this course have their own digital camera. This is a Technical Level course in the Digital Media Career Pathway.**

PRINCIPLES OF MARKETING

(7554/7555)

11, 12

1 Elective Credit

Prerequisite: Business Essentials

This course offers students insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content ranges from general marketing principles such as purchasing, distribution, and sales. There is a major emphasis placed on kinds of markets; market identification, product planning, packaging and pricing; and business management. **This is a Technical Level course in the Digital Media Career Pathway.**

DIGITAL MEDIA: NEWSPAPER EMPHASIS

DIGITAL MEDIA TECHNOLOGY - NEWSPAPER

(6030N/6031N)

10, 11, 12

1 Fine Arts Credit

Please Note: Space is Limited

Digital Media Technology teaches the technical skills needed to work with electronic media. Topics include exploring the use of digital media and video today and in the future; a study of the relationship of work flow to project planning and completion; and the software, equipment and tools used in the industry. This course also provides students with the knowledge and skills necessary to produce the school newspaper, *The Sugarbeet*, literary magazine, or other printed publications. Students may gain experience in several components (writing, editing, layout, production, etc.) or may focus on a single aspect while producing the publication. **This is a Technical Level course in the Digital Media Career Pathway.**

DIGITAL MEDIA DESIGN AND PRODUCTION - NEWSPAPER

(6032N/6033N)

11, 12

1 Fine Arts Credit

Prerequisite: Digital Media Technology, Suggested Prerequisite: Photo Imaging

Please Note: Space is Limited

Digital Media Design and Production is an application level course and will provide students with the opportunity to apply the fundamental techniques learned in Digital Media Technology through the production of a multi-media project for public presentation. Topics include developing a production schedule, utilizing composition principles, embedding audio, video or other content in digital formats and working as a team to produce *The Sugar Beet*. This is an advanced leadership course that requires students to have a firm grasp of the writing process and publication software, be dedicated to creating a product, and be willing to work under pressure to meet deadlines. Students will also be required to work outside of the regular school day and during the summer. **This is an Application Level course in the Digital Media Career Pathway.**

DIGITAL MEDIA: YEARBOOK EMPHASIS

DIGITAL MEDIA TECHNOLOGY - YEARBOOK

(6030Y/6031Y)

10, 11, 12

1 Fine Arts Credit

Please Note: Space is Limited

Digital Media Technology teaches the technical skills needed to work with electronic media. Topics include exploring the use of digital media and video today and in the future; a study of the relationship of work flow to project planning and completion; and the software, equipment and tools used in the publication industry. This course also provides students with the knowledge and skills to produce *The GCHS Yearbook*, literary magazines, or other printed publications. Students will gain experience in several components (writing, editing, layout, production, etc.) as they contribute to each publication. **This is a Technical Level course in the Digital Media Career Pathway.**

DIGITAL MEDIA DESIGN AND PRODUCTION - YEARBOOK

(6032Y/6033Y)

11, 12

1 Fine Arts Credit

Prerequisite: Digital Media Technology, Suggested Prerequisite: Photo Imaging

Please Note: Space is Limited

Digital Media Design and Production is an application level course and will provide students with the opportunity to apply the fundamental techniques learned in Digital Media Technology through the production of a multi-media project for public presentation. Topics include developing a production schedule, working as a team, utilizing composition principles in a digital format to produce *The GCHS Yearbook*. This is an advanced leadership course that requires students to have a firm grasp of the writing process and publication software, be dedicated to creating a product, and be willing to work under pressure to meet deadlines. Students will also be required to work outside of the regular school day and during the summer. **This is an Application Level course in the Digital Media Career Pathway.**

DIGITAL MEDIA: RADIO BROADCASTING EMPHASIS

AUDIO/VIDEO FUNDAMENTALS - RADIO

(5240/5241)

10, 11, 12

1 Oral Comm. Credit

Prerequisite: 21st Century Journalism

Radio is a beginning production course in radio broadcasting where students learn the basic scheduling, programming, production and management responsibilities. Students will take part in doing commentary, music selection, news articles, public service announcements, and interviews, taped or live on air. **This is an Application Level course in the Digital Media Career Pathway.**

ADVANCED AUDIO/VIDEO PRODUCTION - RADIO

(5244/5245)

11, 12

1 Oral Comm. Credit

Prerequisite: Audio/Video Fundamentals

Radio is an advanced radio course that examines the management roles in a professional radio station as well as trains students in advanced techniques of radio production. This course will be a major source of original programming to be on the GCHS radio station KBFZ 101.7 FM. Students will perform various advanced production projects such as doing color commentary and play-by-play for a sporting event, a specialized radio show with a request, talk or sports format live on air. Additionally, students will take on various management responsibilities for the high school station including program director, music director and news director. **This is a Technical Level course in the Digital Media Career Pathway.**

DIGITAL MEDIA: VIDEO BROADCASTING EMPHASIS

AUDIO/VIDEO FUNDAMENTALS - VIDEO

(5242/5243)

10, 11, 12

1 Oral Comm. Credit

Prerequisite: 21st Century Journalism

Video is designed to help students to develop their communication and technical skills in front and behind the camera. Students will demonstrate camera and editing techniques that support school and community activities. Additionally, students will take on some management responsibilities for the high school station including Channel 21, Buffalo Broadcasting, as well as assisting in producing the high school's daily newscasts or other school events. ***This is a Technical Level course in the Digital Media Career Pathway.***

ADVANCED AUDIO/VIDEO PRODUCTION - VIDEO

(5246/5247)

11, 12

1 Oral Comm. Credit

Prerequisite: Audio/Video Fundamentals

Video is designed to allow students to enhance and develop their skills from the earlier courses and work with instructor. The student will demonstrate camera techniques, editing techniques, assist in impromptu filming projects that come up during the semester and support school and community activities. Additionally, students will take on various management responsibilities for the high school station including station manager for operation of the high school cable access channel, Channel 21, Buffalo Broadcasting, we well as producing the high school's daily newscast and assisting in the broadcast of sporting events such as football, basketball and soccer games. ***This is an Application Level course in the Digital Media Career Pathway.***

ENGINEERING



CAREER PATHWAY: ENGINEERING & APPLIED MATHEMATICS

CHEMISTRY

(6618/6619)

10, 11, 12

1 Science Elective Credit

Prerequisite: *Biology and completed or concurrently enrolled in Algebra II or Geometry*

Chemistry involves the unique study of “taking things apart and putting things together.” The primary course emphasis is obtaining a background of fact and theory applicable to a college preparatory chemistry course. The general presentation of topics includes the study of the atom; chemical elements and their respective positions in the Periodic Table; chemical bonding principles; general structure and phases of matter; behavior and related reactions of acids, bases and salts; equilibrium; oxidation-reduction theory and principles; a brief introduction to Organic Chemistry, including chemical spectroscopy and nuclear chemistry. Methods of instruction include lectures, demonstrations, labs and videos. This course is designed in part to prepare students for admission to a university. ***This is an Introductory Level Course in the Engineering & Applied Mathematics Career Pathway.***

TECHNICAL DRAFTING

(7723)

10, 11, 12

½ Fine Arts Credit

Prerequisite: *Introduction to Manufacturing*

Recommendation: *Membership in Skills USA (dues required)*

Technical drafting is a continuation of exploration of drafting where students will build on the skills gained in the first semester. Emphasis is on correct and accurate representations of objects that could be used in the manufacturing process. Students will draw computer aided drawings using the Autodesk Inventor and AutoCAD Software. Students will be introduced to the Skills USA student organization and will have the chance to compete in a state drafting competition. The skills gained will enhance the student's career opportunities for engineering, architecture, machinist, welding, draftsman, interior design, criminal justice and fashion design. Software: AutoCAD – <http://www.autodesk.com> Skills USA Kansas – <http://skillsusaks.org/> ***This is an Introductory Level course in the Engineering & Applied Mathematics Career Pathway.***

ARCHITECTURAL DRAFTING

(7725/7726)

11, 12

1 Fine Arts Credit

Prerequisite: *Technical Drafting*

Recommendation: *Membership in Skills USA (dues required)*

Architectural Drafting is a full year course in the development of residential home design. Students will learn the principles of construction and the design process for drawing a complete set of plans for residential construction. Students will draw representations of the floor plan, foundation plan, wall construction sectional, views in elevations, and plot plan. Students will create their own plan using drafting tools and the Autodesk Revit software. Students will be encouraged to join the Skills USA student organization and will have the chance to compete in a state drafting competition. The skills gained will enhance the student's career opportunities for engineering, architecture, interior design and criminal justice.

Software <http://www.autodesk.com> Skills USA Kansas – <http://www.skillsusaks.org>

This is a Technical Level course in the Engineering & Applied Mathematics Career Pathway.

ROBOTICS

(6640/6641)

10, 11, 12

1 Elective Credit

Prerequisite: *Geometry with a grade of C or better, or Instructor Permission.*

Please Note: *Space is Limited*

Robotics focuses on the use of technology to monitor the environment and automate machinery. Topics will include mechanics, electronics, programmable logic controllers, motor control, CADD, and the engineering design process associated with conceptualizing and designing robots. Students will also have the opportunity to participate in a statewide robotics competition during the first semester. ***This is a Technical Level course in the Engineering & Applied Mathematics Career Pathway.***

APPLIED ENGINEERING

(7737/7738)

11, 12

1 Elective Credit

Prerequisite: *Have passed or enrolled in Algebra II, have taken a computer based course such as Web Design, Programming or Emerging Technologies, or Instructor Permission.*

Applied Engineering is an introductory level engineering class designed to provide students with opportunities to explore various facets of engineering related to existing and emerging careers. Instructional modules include, but are not limited to, studies in aeronautics, architecture, biotechnology, conservation engineering, neuroscience, and robotics. The course is intended to help high school students understand the ways in which they will engineer the world of the future — whether or not they choose to pursue technical careers. ***This is an Application Level course in the Engineering & Applied Mathematics Career Pathway.***

MATERIALS SCIENCE & ENGINEERING

(7739/7740)

11, 12

1 Science Elective Credit

Recommendation: *Successful completion of Chemistry and/or Physics.*

Materials Science and Engineering is a discipline that incorporates the creation, manufacturing, and testing of material used in all aspects of life. These materials are typically broken down into five categories: solids, metals, ceramics and glass, polymers (plastics), and composites. These materials are studied both on the microscopic (atomic) level (structure, composition, and molecular behavior) as well as the macroscopic level (properties, processing, testing and uses). Therefore, Materials Science and Engineering is an interdisciplinary course that spans chemistry, physics, engineering, and mathematics. These concepts will be studied by focusing on problem solving skills, creating projects and completing open-ended experiments, incorporating demonstrations, implementing reading from outside resources including magazines and journal articles, as well as writing to convey understanding and procedures. ***This is an Application Level course in the Engineering & Applied Mathematics Career Pathway.***

CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE (ENGINEERING & APPLIED MATHEMATICS)

(7589/7590)

11, 12

½ or 1 Elective Credit

Junior or Senior students who have taken courses in the Engineering & Applied Mathematics pathway sequence may elect to participate in this capstone course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. ***This is an Application Level course in the Engineering & Applied Mathematics career pathway.***

INDUSTRIAL TECHNOLOGY



CAREER PATHWAY: COMPREHENSIVE AGRICULTURE SCIENCE

PLANT AND SOIL SCIENCE

(7741/7742)

10, 11, 12

1 Science Elective Credit

Recommended Prerequisite: *Introduction to Agriscience*

Recommendation: *Membership in FFA (dues required)*

This full-year course deals with the field of science and technology in agriculture. Study will include plant science, greenhouse management, crop science, genetics and biotechnology, and leadership. Students will be in FFA, compete in hands-on activities and continue the development of their Supervised Agriculture Experience (SAE) Programs. In addition, students will complete the requirements for their Oral Communications for a half credit.

This is a Technical Level course in the Comprehensive Agriculture Science Career Pathway.

WILDLIFE/NATURAL RESOURCES

(7702/7703)

10, 11, 12

1 Science Elective Credit

Recommended Prerequisite: *Introduction to AgriScience*

Recommendation: *Membership in FFA (dues required)*

This full-year course will include studies in wildlife, including habitat, endangered species and related careers. Natural resources including energy, water and soils, and related careers will also be covered. Students will be involved in FFA and will continue their Supervised Agriculture Experience (SAE) Programs. Careers in this area include but are not limited to soil scientist, agronomist, Ag chemical salesman, conservationist, Ag producer, game warden and biologist. ***This is an Technical Level course in the Comprehensive Agriculture Science Career Pathway.***

ANIMAL AND MEAT SCIENCE

(7704/7705)

10, 11, 12

1 Science Elective Credit

Recommended Prerequisite: *Introduction to AgriScience*

Recommendation: *Membership in FFA (dues required)*

This year long course is designed for the in-depth study of livestock and meat science. Comprehensive topics will include domesticated livestock and breeds, anatomy and physiology, feed and nutrition, meat and livestock judging, and animal health and veterinary science. Leadership and personal development skills are taught through the integration for FFA Career Development Events and SAE activities. Hands-on and laboratory activities will take place throughout year. ***This is a Application Level course in the Comprehensive Agriculture Science Career Pathway.***

CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE (COMPREHENSIVE AGRICULTURE SCIENCE)

(7589/7590)

11, 12

½ or 1 Elective Credit

Junior or Senior students who have taken courses in the Comprehensive Agriculture Science pathway sequence may elect to participate in this capstone course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. ***This is an Application Level course in the Comprehensive Agriculture Science career pathway.***

ADVANCED CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE (COMPREHENSIVE AGRICULTURE SCIENCE)

(7594/7595)

12

½ or 1 Fine Arts Credit

Senior students who have completed a work-based learning course in the Comprehensive Agriculture Science pathway may elect to participate in this advanced workplace experience course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. ***This is an Application Level course in the Comprehensive Agriculture Science career pathway.***



CAREER PATHWAY: MANUFACTURING

INTRODUCTION TO MANUFACTURING

(7721) 10, 11 ½ Elective Credit
Recommendation: Membership in Skills USA (dues required)
Introductory level course designed to instruct students in basic skills necessary to all occupations in the Construction, Manufacturing areas. This course introduces a working knowledge of safety procedures; hand and power tools and proper usage; blueprint reading, including drafting principles such as basic symbols, multi-view drawings in architecture, construction, manufacturing, and engineering; industrial math, communication skills and 21st Century/Foundation Skills. Software: Autodesk Inventor – <http://www.autodesk.com>. **This is an Introductory Level course in the Manufacturing Career Pathway.**

TECHNICAL DRAFTING

(7723) 10, 11, 12 ½ Fine Arts Credit
Prerequisite: Introduction to Manufacturing
Recommendation: Membership in Skills USA (dues required)
Technical drafting is a continuation of exploration of drafting where students will build on the skills gained in the first semester. Emphasis is on correct and accurate representations of objects that could be used in the manufacturing process. Students will draw computer aided drawings using the Autodesk Inventor and AutoCAD Software. Students will be introduced to the Skills USA student organization and will have the chance to compete in a state drafting competition. The skills gained will enhance the student's career opportunities for engineering, architecture, machinist, welding, draftsman, design. Software: AutoCAD – <http://www.autodesk.com> Skills USA Kansas – <http://skillsusaks.org/> **This is an Introductory Level course in the Manufacturing Career Pathway.**

ARCHITECTURAL DRAFTING

(7725/7726) 11, 12 1 Fine Arts Credit
Prerequisite: Technical Drafting
Recommendation: Membership in Skills USA (dues required)
Architectural Drafting is a full year course in the development of residential home design. Students will learn the principles of construction and the design process for drawing a complete set of plans for residential construction. Students will draw representations of the floor plan, foundation plan, wall construction sectional, views in elevations, and plot plan. Students will create their own plan using drafting tools and Revit software. Students will be encouraged to join the Skills USA student organization and will have the chance to compete in a state drafting competition. The skills gained will enhance the student's career opportunities for engineering, architecture, interior design and criminal justice.
Software: <http://www.autodesk.com> Skills USA Kansas – <http://www.skillsusaks.org> **This is a Technical Level course in the Manufacturing Career Pathway.**

AWS WELDING I

(7706) 11, 12 ½ Elective Credit
Prerequisite: Passing grade in Introduction to Manufacturing, Please note: This course is only offered in the fall semester
This course provides students with the skills and knowledge that are specifically applicable to safety and the tools and equipment used in the welding industry. Extensive safety practices along with beginning welding and cutting processes are covered. **This is a Technical Level course in the Manufacturing Career Pathway.**

AWS WELDING II

(7714) 11, 12 ½ Fine Arts Credit
Prerequisite: Passing grade in AWS Welding I
This welding course enables students to gain knowledge of the properties, uses, and applications of various metals, skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, and metal inert gas) and experience in identifying, selecting, and rating appropriate techniques. Students will learn to interpret blueprints or other types of specifications. **This is a Technical Level course in the Manufacturing Career Pathway.**

ADVANCED METALS

(7709/7710) 12 1 Fine Arts Credit
Prerequisite: Passing grade in Welding II and enrollment in Welding III
This class counts for GCCC college credit. Potential certifications include OSHA Forklift. This is a comprehensive course designed to instruct students in the knowledge and skills required for fabrication of products using metal or composites. Class, community and student projects can be constructed with teacher permission. **This is a Technical Level course in the Manufacturing Career Pathway.**

ADVANCED DRAFTING/DESIGN

(7727/7728) 12 1 Fine Arts Credit
Prerequisite: Architectural Drafting
Recommendation: Membership in Skills USA (dues required)
Advanced Drafting is a full year course designed to enhance the student's knowledge of the architecture and engineering fields. The focus will be on commercial architectural projects or the engineering of large mechanical machines. Students will work as teams on an assigned project to create working drawings for the chosen project. Students will learn design and engineering, cost estimation and presentation and scale modeling. Students will use the Autodesk software to design and create their finished product. Projects will be designed to meet all national building codes and ADA standards. Students will be encouraged to join the Skills USA student organization and will have the chance to compete in a state drafting competition. The skills gained will enhance the student's career opportunities for engineering, architecture and interior design. Software: Autodesk Architectural Desktop, 3d Max – <http://www.autodesk.com> Skills USA Kansas – <http://www.skillsusaks.org/> **This is an Application Level course in the Manufacturing Career Pathway.**

AWS WELDING III (Students may enroll in both Welding III and Advanced Metals)

(7708/7715) 12 1 Elective Credit
Prerequisite: Passing grade in AWS Welding II
Please Note: This course can be taken for college credit through GCCC.
Potential certifications include OSHA forklift, OSHA 10 certification (fee REQUIRED - \$25.00). This class can count for GCCC college credit. AWS Entry Level Welder GMAW, SMAW & GTAW. This course provides students with the skills and knowledge that are specifically applicable to the welding industry with advanced blueprint reading and welding in the OH, V, and H positions, along with pipe welding and TIG welding that could result in welding certification. **This is a Application Level course in the Manufacturing Career Pathway.**

CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE (MANUFACTURING)

(7581/7582)

11, 12

½ or 1 Elective Credit

Junior or Senior students who have taken courses in the Manufacturing pathway sequence may elect to participate in this capstone course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. ***This is an Application Level course in the Manufacturing career pathway.***



CAREER PATHWAY: POWER, STRUCTURAL & TECHNICAL SYSTEMS

AWS WELDING I

(7706)

11, 12

½ Elective Credit

Prerequisite: Passing grade in Introduction to Manufacturing

Please note: This course is only offered in the fall semester

This course provides students with the skills and knowledge that are specifically applicable to safety and the tools and equipment used in the welding industry. Extensive safety practices along with beginning welding and cutting processes are covered. ***This is a Technical Level course in the Power, Structural & Technical Systems Career Pathway.***

AWS WELDING II

(7714)

11, 12

½ Fine Arts Credit

Prerequisite: Passing grade in AWS Welding I

This welding course enables students to gain knowledge of the properties, uses, and applications of various metals, skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, and metal inert gas), and experience in identifying, selecting, and rating appropriate techniques. Students will learn to interpret blueprints or other types of specifications. ***This is an Application Level course in the Power, Structural & Technical Systems Career Pathway.***

POWER MECHANICS/AG RELATED

(7731)

10, 11, 12

½ or 1 Elective Credit

Recommendation: Membership in FFA (dues required)

An Agriculture class that provides hands on experience to the student who is interested in the area of Agriculture power mechanics. A variety of studies will be covered such as tool and workplace safety, small gas engines, precision measurement, repair techniques, hydraulics/pneumatics, trailer lighting, electrical circuits, and career development. Students that join FFA will also have the opportunity to compete in Career Development Events and continue with their Supervised Agricultural Experience (SAE) Program. ***This course transitions to the GCCC Industrial Technology Pathway. This is a Application Level course in the Power, Structural & Technical Systems Career Pathway.***

CONSTRUCTION/AG RELATED

(7729)

10, 11, 12

½ or 1 Elective Credit

Recommendation: Membership in FFA (dues required)

An Agriculture class that provides hands on experience to the student who is interested in the area of Agriculture construction and electricity. A variety of studies over agriculture construction will be covered such as tool and workplace safety, measurement, cement masonry, drywall, electricity, project planning and career development. Students will also have the opportunity to compete in Career Development Events and continue with their Supervised Agricultural Experience (SAE) Program. This class may be taken twice. ***This course transitions to the GCCC Industrial Technology Pathway. This is an Application Level course in the Power, Structural & Technical Systems Career Pathway.***

AWS WELDING III (Students may enroll in both Welding III and Advanced Metals)

(7708/7715)

12

1 Elective Credit

Prerequisite: Passing grade in AWS Welding II

Please Note: This course can be taken for college credit through GCCC.

Potential certifications include OSHA forklift, OSHA 10 certification (fee REQUIRED - \$25.00). This class can count for GCCC college credit. AWS Entry Level Welder GMAW, SMAW & GTAW. This course provides students with the skills and knowledge that are specifically applicable to the welding industry with advanced blueprint reading and welding in the OH, V, and H positions, along with pipe welding and TIG welding that could result in welding certification. ***This is an Application Level course in the Manufacturing Career Pathway.***

CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE (POWER, STRUCTURAL, AND TECHNICAL SYSTEMS)

(7583/7584)

11, 12

½ or 1 Elective Credit

Junior or Senior students who have taken courses in the Power, Structural, and Technical Systems pathway sequence may elect to participate in this capstone course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. ***This is an Application Level course in the Power, Structural, and Technical Systems career pathway.***

ADVANCED CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE (POWER, STRUCTURAL, AND TECHNICAL SYSTEMS)

(7585/7586)

12

½ or 1 Fine Arts Credit

Senior students who have completed a work-based learning course in the Power, Structural, and Technical Systems pathway may elect to participate in this advanced workplace experience course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. ***This is an Application Level course in the Power, Structural, and Technical Systems career pathway.***

JROTC (Junior Reserve Officer Training Corps)

JROTC credit can fulfill Fine Arts, Oral Communications, PE or General Elective credits.

The purpose of JROTC is to instill values of citizenship, service to the US, personal responsibility, and a sense of accomplishment. Students will develop good citizenship, patriotism, self-reliance, and leadership. They will also improve their ability to communicate both orally and in writing. Students increase their knowledge of team building skills and basic military skills while stressing physical fitness. Successful completion of the program can lead to advanced rank if the student enlists in the Armed Forces.

JUNIOR ROTC, LEADERSHIP EDUCATION TRAINING 2

(7426/7427)

10, 11, 12

1 Credit

This is the second year in a 4 year sequence of JROTC Leadership Education. During this year, leadership projects and objectives increase and curriculum continues.

JUNIOR ROTC, LEADERSHIP EDUCATION TRAINING 3

(7428/7429)

11, 12

1 Credit

This is the third year in a 4 year sequence of JROTC Leadership Education. This course increases cadet leadership opportunities as cadet's move into the officer corps and commanding the cadets as they do corps activities.

JUNIOR ROTC, LEADERSHIP EDUCATION TRAINING 4

(7430/7431)

12

1 Credit

This is the fourth and final year in the JROTC program. It should generate top levels of officers for the Cadet Corps. This is also the year when college and career planning projects prepare students for post-secondary opportunities.

LANGUAGE ARTS

Garden City High School requires 3½ credits of Language Arts for graduation. Kansas Pre-College Curriculum suggests 4 credits of Language Arts.
It is recommended that all students enroll in one credit of Language Arts their senior year.

ENGLISH II

(6006/6007)

10

1 Language Arts Credit

Prerequisite: English I

This course is designed to concentrate on basic grammar, composition, literature and additional research skills. This course is designed in part to prepare students for admission to a university.

ENGLISH III

(6010/6011)

11

1 Language Arts Credit

Prerequisite: English II

This course concentrates on reading, writing, speaking, and listening skills as well as additional research skills. This course is designed in part to prepare students for admission to a university.

ENGLISH IV

(6014/6015)

12

½ or 1 Language Arts Credit

Prerequisite: English III

This course follows the guidelines established by the College Board and is designed to help students prepare for college-level English. This course emphasizes critical reading and writing skills necessary for college success.

HONORS ENGLISH II

(6004/6005)

10

1 Language Arts Credit

Prerequisite: English I

Advanced studies in composition, literature, and additional research skills will be provided. This course is designed in part to prepare students for admission to a university.
This course is an indexed course.

HONORS ENGLISH III

(6008/6009)

11

1 Language Arts Credit

Prerequisite: English II

This is an advanced studies course that concentrates on reading, writing, speaking, and listening skills as well as additional research skills. This course is designed in part to prepare students for admission to a university. MLA documentation styles will be studied. ***This course is an indexed course.***

AP LANGUAGE AND COMPOSITION

(6042/6043)

12

1 Language Arts Credit

Prerequisite: Honors English III

This course is designed for students with superior competence in the language arts area. The course follows the guidelines established by the College Board and directs the student in preparation for the AP examination, advanced placement in college or exemption from certain academic requirements or prerequisites. This course is designed in part to prepare students for admission to a university. ***Students enrolled in AP Language and Composition can take the AP Exam and pay the exam fee of approximately \$90.*** The AP Exam can qualify students for college credit. ***This course is an indexed course.***

BUFF PROJECT

(7300)

12

½ Language Arts Credit

The Buff Project consists of four components students must complete to pass the course: paper, product/project, portfolio, and presentation. The course requires students to collaborate with a community member and document time (at least 15 hours of outside school time) and progress while working on the product/project.

MYTHOLOGY/FOLKLORE

(6022)

11, 12

½ Language Arts Credit

Myths and legends from Greek, Roman, Celtic, and Norse mythology are highlighted in this course, as well as stories from Samaria and the Middle East, Africa, Asia, the Americas, and Australia. Students are required to read extensively and write several essays with the goal of thinking critically about what the beliefs and values of these cultures must be, as well as analyzing format and style. This course counts for Kansas Qualified Admissions.

GENERAL ELECTIVE

CREATIVE WRITING

(6024)

11, 12

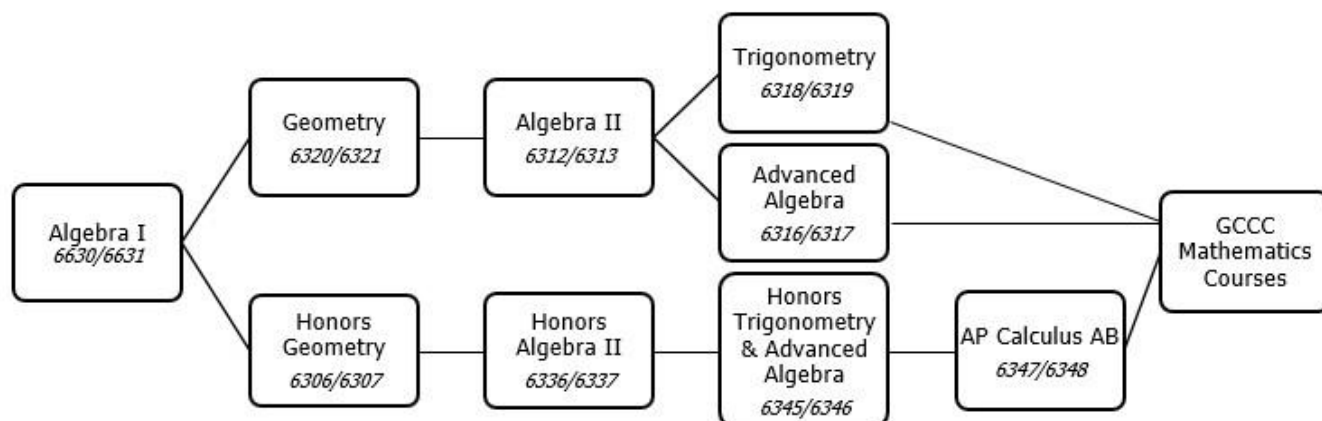
½ Elective Credit

Please Note: This course counts as general elective credit only.

This course provides an opportunity to create a variety of creative writing pieces: short stories, plays, novellas, poetry, and literary nonfiction. In addition, the course includes studying the creative process and strategies; evaluation prose and poetry from more well-known authors; and collaborating, editing, and publishing for various audiences. This course does not count for English credit.

MATHEMATICS

Garden City High School requires 3 credits of math for graduation.
Kansas Pre-College Curriculum suggests 3 credits of math with an ACT score of 22 or 4 credits of math.



GEOMETRY

(6320/6321)

10, 11, 12

1 Math Credit

Prerequisite: Algebra I

This course stresses structure through the introduction of formal proofs, engaging in a cycle of conjecture, rough draft, peer feedback. Students build on their middle school study of transformations of figures. Students use transformation-based definitions of congruence and similarity. Theorems related to triangles, lines, polygons, and circles will be stressed. Next, students derive volume formulas and study the effect of dilation on both area and volume.

HONORS GEOMETRY

(6306/6307)

10

1 Math Credit

Prerequisite: Algebra I

Required Material: Graphing Calculator

This course is a continuation of the sequence of advanced courses that started at the 8th grade level. This course stresses structure through the introduction of formal proofs, engaging in a cycle of conjecture, rough draft, peer feedback. Students build on their middle school study of transformations of figures. Students use transformation-based definitions of congruence and similarity. Theorems related to triangles, lines, polygons, and circles will be stressed. Next, students derive volume formulas and study the effect of dilation on both area and volume. This course is designed in part to prepare students for admission to a university. **This course is an indexed course.**

ALGEBRA II

(6312/6313)

10, 11, 12

1 Math Credit

Prerequisite: Algebra I, Geometry

Algebra II is an extension of the first-year algebra course. It expands the topics that were covered in Algebra I as well as introducing new ones. Students begin the course with a study of sequences, which is also an opportunity to revisit linear and exponential functions. This work leads to looking at situations that are well modeled by polynomials. Next, students extend exponent rules to include rational exponents. Building on rational exponents, students return to their study of exponential functions. Students learn to transform functions graphically and algebraically.

HONORS ALGEBRA II

(6336/6337)

10

1 Math Credit

Prerequisite: Algebra I, Geometry

Students will be expected to maintain a high level of participation and a high degree of proficiency. Algebra II is an extension of the first-year algebra course. It expands the topics that were covered in Algebra I as well as introducing new ones. Students begin the course with a study of sequences, which is also an opportunity to revisit linear and exponential functions. This work leads to looking at situations that are well modeled by polynomials. Next, students extend exponent rules to include rational exponents. Building on rational exponents, students return to their study of exponential functions. Students learn to transform functions graphically and algebraically. This course is designed in part to prepare students for admission to a university. **This course is an indexed course.**

TRIGONOMETRY

(6318/6319)

11, 12

1 Math Credit

Prerequisite: Algebra II

Required Material: Graphing Calculator

Trigonometry is the study of triangles and is based largely on algebra and geometry. Students will learn about solving triangles, law of sines, and law of cosines, radian measure, inverse trig functions, graphing and trig identities. Solving trig equations, vectors in a plane (with complex numbers), vectors in dot products and polar coordinates will also be included in the course. Students should have a graphing calculator that has the basic trig functions (sines, cosines & tangents) for computational purposes. This course is designed in part to prepare students for admission to a university.

ADVANCED ALGEBRA

(6316/6317)

11, 12

1 Math Credit

Prerequisite: Algebra II

Required Material: Graphing Calculator

This course will provide the background for college level algebra. Students will review major algebraic topics with additional study of functions, including composition and inverse functions and conic sections. Other topics covered will include polynomial and logarithms rational functions, rational root and factor theorems, matrices and determinants, and logarithms. This course is designed in part to prepare students for admission to a university.

HONORS TRIGONOMETRY/ADVANCED ALGEBRA

(6345/6346)

11, 12

1 Math Credit

Prerequisite: Algebra II

This course involves trigonometry and advanced algebra topics interwoven throughout the entire year with an emphasis on applications. The trigonometric topics include descriptions of trigonometric functions based on triangles and circular functions. Also included in the trigonometric topics are graphing of trigonometric functions, solving equations, identities, vectors, and complex forms. The algebra topics include function notation, function composition, inverses, solving and graphing various types of functions such as quadratics, polynomial, rational, exponential, and logarithmic. The algebra topics also include matrices, conic sections and pre-calculus topics. This course is a pre-calculus course and is intended to prepare the student for AP Calculus at the high school or Calculus I at the college level. A graphing calculator is a must for computational purposes. The course is designed in part to prepare students for admission to a university. . **This course is an indexed course.**

AP CALCULUS AB

(6347/6348)

12

1 Math Credit

Prerequisite: Honors Trigonometry, Advanced Algebra, or Trigonometry

Required Material: Graphing Calculator (TI83, 84, 85, 86 or 89)

Calculus is a course in elementary functions and introductory calculus. This course is intended for students who have a thorough knowledge of algebra, geometry, trigonometry and analytic geometry (functions, equations, graphs, lines and conic sections). This course is designed in part to prepare students for admission to a university. **Students enrolled in AP Calculus will take the AP Exam and pay the exam fee of approximately \$80.** The AP Exam can qualify students for college credit. **This course is an indexed course.**

ADVANCED MATH APPLICATIONS

(6334/6335)

12

1 Math Credit

Prerequisite: Algebra I and Geometry

Required Material: Scientific Calculator

This course will equip students with the mathematical tools they need to function as an independent adult and a valuable contributor in today's increasingly complex society. Students will cover topics in mathematics that are used every day, such as computing paychecks, taxes, and major purchases for example automobiles and houses. Other topics will include budgeting, credit, insurance, and investing. This course is designed to prepare students for the mathematics needed in the workforce and their daily lives. This is a course that prepares **senior** students for the transition into the workforce and is not intended for the college bound student. This course counts for both Kansas Qualified Admissions and Kansas Scholar, but is not a NCAA approved course.

TRANSITION TO COLLEGE ALGEBRA

(6351/6352)

12

1 Math Credit

Prerequisite: ACT Math Score of less 16-22 and/or an Accuplacer Math Score of 237-262

Transition to College Algebra is a year- long course for college-bound students who have completed Algebra II. This course is designed to build a bridge from high school math to College Algebra. In this class, prior math skills will be reviewed and reinforced to prepare students for success in College Algebra. It can save students time and money in college, as they will be able to skip (or take fewer) remedial math courses in college. The goal is for students to qualify for College Algebra their freshman year of college. **This course does not count toward Kansas Scholars or NCAA Eligibility.**

MUSIC

APPLIED MUSIC

(5116/5117) 11, 12 ½ or 1 Fine Arts Credit
This class is for juniors and seniors currently enrolled in choir, band or orchestra. Piano students not enrolled in a music class may enroll. Students should have a self-initiated interest in furthering their musical knowledge, based on past music participation. It may be taken one or both semesters.

AP MUSIC THEORY

(5132/5133) 11, 12 1 Fine Arts Credit
Prerequisite: Participation in four concurrent semesters of Band, Orchestra, or Choir or completion of Applied Music
This course will delve into the inner workings of music. Students will analyze, compose, respond to, and interact with music at a level comparable to year one of music theory in the college setting (Theory 1 & 2). The class is being offered as an AP course and credit may be granted by a university (upon enrollment) based on placement score on the AP Music Theory exam. A theory workbook (Kostka Payne) must be purchased through the course instructor.

MUSIC APPRECIATION

(5125) 10, 11, 12 ½ Fine Arts Credit
This class will take much self-discipline. There will be a large amount of time listening to music and lectures. This course is an overview of the evolution of western music from the middle ages to the present. Time permitting, this class may also cover jazz, rock, or humorous music, once western music is covered.

MUSIC THEORY

(5124) 11, 12 ½ Fine Arts Credit
This class is for juniors and seniors currently enrolled in choir, band or orchestra. This course will enable students to develop an understanding of the basic structure, notation and terminology of music.

BAND

BUFFALO BAND/WIND ENSEMBLE

(5102/5103) 10, 11, 12 1 Fine Arts Credit
Prerequisite: Audition, academic eligibility is required for competition
Students are accepted by audition; others who wish to join may join only at the director's discretion. The band functions as a marching unit in the fall with some travel to out of town games possible. The band will rehearse and perform works of varying styles encompassing various musical eras throughout the remainder of the school year. During the winter sport season, portions of the band serve as an athletic band. Opportunities to perform as a soloist or in a small ensemble are available in the spring semester. This is a year-long course, and adding or dropping at semester will also be at the discretion of the director.

SYMPHONIC BAND

(5129/5130) 10, 11, 12 1 Fine Arts Credit
Prerequisite: Audition, academic eligibility is required for competition
The band functions as a marching unit in the fall with some travel to out of town games possible. The band will rehearse and perform works of varying styles encompassing various musical eras throughout the remainder of the school year. During the winter sport season portions of the band serve as an athletic band. Opportunities to perform as a soloist or in a small ensemble are available in the spring semester. This is a year-long course, and adding or dropping at semester will also be at the discretion of the director.

CONCERT BAND

(5100/5101) 10, 11, 12 1 Fine Arts Credit
Prerequisite: Membership in middle school concert band, academic eligibility is required for competition
The band functions as a marching unit in the fall with some travel to out of town games possible. The band will rehearse and perform works of varying styles encompassing various musical eras throughout the remainder of the school year. During the winter sport season portions of the band serve as an athletic band. Opportunities to perform as a soloist or in a small ensemble are available in the spring semester. This is a year-long course, and adding or dropping at semester will also be at the discretion of the director.

JAZZ BAND I

(5104/5105) 10, 11, 12 1 Fine Arts Credit
Prerequisite: Enrolled in Concert, Symphonic, Buffalo Band/Wind Ensemble, Choir, or Orchestra and audition, academic eligibility is required for competition.
The instrumentation of saxophones, trumpets, trombones, percussion, keyboards, guitar and bass will be by audition only. Continued improvisational study is stressed. Small group or combo jazz will be introduced to those who are interested. Previous musical experience is required. Attendance at performances is mandatory. This is a year-long course. Adding or dropping at semester will be at the discretion of the director.

JAZZ BAND II

(5106/5107) 10, 11, 12 1 Fine Arts Credit
Prerequisite: Enrolled in Concert, Symphonic, Buffalo Band, Choir, or Orchestra and audition, academic eligibility is required for competition.
The instrumentation of saxophones, trumpets, trombones, percussion, keyboards, guitar and bass will be by audition only. Experience in various jazz styles as well as an introduction to jazz improvisation will be given. Previous musical experience is required. Attendance at performances is mandatory.

JAZZ BAND III

(5127/5128) 10, 11, 12 1 Fine Arts Credit
Prerequisite: Enrolled in Concert, Symphonic, Buffalo Band, Choir, or Orchestra and audition, academic eligibility is required for eligibility is required for competition.
This is the introductory jazz course for the high school. This class covers basic jazz style and jazz improvisation instructions. Attendance and performance is mandatory.

CHOIR

A CAPPELLA CHOIR

(5118/5119)

10, 11, 12 (Mixed)

1 Fine Arts Credit

Prerequisite: *AUDITION ONLY, academic eligibility is required for competition.*

A Cappella Choir is open to juniors and seniors by audition only; sophomore boys as needed. This group will stress a review of good singing fundamentals, sight reading and will explore a wide variety of choral literature styles. Members will present concerts throughout the year and will participate in activities outside of the school day. Attendance at performances is mandatory. Academic eligibility is a must as this is a performance group that will perform and compete at concerts and competitions throughout the year.

LES CHANTES

(5120/5121)

10, 11, 12

1 Fine Arts Credit

Prerequisite: *Open enrollment and academic eligibility is required for competition.*

Les Chantes is open to sopranos and altos after their freshman year. This group will perform throughout the area during the year as well as in vocal concerts and music festivals. This group will stress good singing fundamentals, sight reading, and will explore a wide variety of choral literature styles. Attendance at performances is mandatory. Academic eligibility is a must as this is a performance group that will perform at concerts and competitions throughout the year.

MODERN SHOW CHOIR

(5122/5123)

10, 11, 12

1 Fine Arts Credit

Prerequisite: *Audition only, academic eligibility is required for competition.*

Modern Show Choir is open to sophomores, juniors and seniors through audition only. A wide variety of music will be performed, including pop and show tunes, with dancing. This group will make numerous performances throughout the year as well as in vocal concerts and music festivals. Attendance at performances is mandatory. Students must make a year-long commitment.

MEN'S BUFFALO CHOIR

(5112/5113)

10, 11, 12 (Boys)

1 Fine Arts Credit

Prerequisite: *Open Enrollment, academic eligibility is required for competition.*

Tenor/Bass Choir is for freshman and entry-level singers with little vocal music experience. This organization will stress good fundamental singing skills, basic sight reading competency, and understanding the changing voice. A wide variety of choral literature will be explored. Academic eligibility is a must as this is a performance group that will perform and compete at concerts and competitions throughout the year. Attendance at performances is mandatory.

ORCHESTRA

CHAMBER ORCHESTRA

(5108/5109)

11, 12

1 Fine Arts Credit

This orchestra class is designed for the very best Juniors and Seniors. Auditions will be held each year in late January/early February during normal class placement testing.

Requirements for the class are as follows:

1. Selection by audition
2. Full year enrollment – early grads will not be considered for enrollment
3. Enrolled also in Symphonic Orchestra
4. Full year academic eligibility. Students who have been on the ineligible list three or more times in the fall semester will not be considered for enrollment in this class.

Minimum Instrumentation will be: 8 violin, 2 viola, 2 cello, 1 bass

Maximum Instrumentation will be: 10 violin, 3 viola, 3 cello, 2 bass

Students will learn difficult chamber and orchestral music; string quartet and quintet literature will also be explored. This class will participate in SWKMEA District Orchestra, State Orchestra auditions, solo & ensemble contest, and all normal high school concerts. In addition, the class may be invited to extra performances for community events outside of the school day. Students are strongly encouraged to purchase their own instruments; however, students not able to buy their own will be expected to pay a yearly instrument rental fee of \$40.

PHILHARMONIC ORCHESTRA

(5134/5135)

10

1 Fine Arts Credit

Prerequisite: *3-4 years previous experience (including 1 yr. Freshman Orchestra); Audition only, academic eligibility is required for competition.*

This year-long auditioned **Intermediate Level** Orchestra class is designed for 10th grade orchestra students to prepare them for the rigors of Symphonic Orchestra. **Students must have 3-4 years previous orchestra experience** including 1 year of Freshman orchestra. Music will be chosen to challenge the ensemble to perform at a higher level. All eligible students are encouraged to remain in this class for both semesters. Emphasis is placed on performing well at a high level, 2 & 3 octave scales, preparing for District and State Orchestra auditions, preparing solos for contest, shifting between positions, intonation, unifying bowings, specialized bowing techniques and developing vibrato. **Teacher approval is required.** Students are strongly encouraged to purchase their own instruments; however, students not able to buy their own will be expected to pay a yearly instrument rental fee of \$40.

SYMPHONIC ORCHESTRA

(5110/5111)

11, 12

1 Fine Arts Credit

Prerequisite: *3-4 years previous experience; Audition only, academic eligibility is required for competition.*

This year-long **auditioned** class is designed for 11th and 12th grade orchestra students who wish to play their violin, viola, cello or bass at a more competitive level. **Students must have 3-4 years previous orchestra experience.** Music will be chosen to challenge the ensemble to perform at a higher level. This ensemble performs in the community frequently. All eligible students are encouraged to remain in this class for both semesters. Emphasis is placed on performing well at a high level, 3 octave scales, preparing for District and State Orchestra auditions, preparing solos and small ensembles for contest, shifting between positions, intonation, unifying bowings, specialized bowing techniques and developing vibrato. **Teacher approval is required.** Students are strongly encouraged to purchase their own instruments; however, students not able to buy their own will be expected to pay a yearly instrument rental fee of \$40.

OCCUPATIONAL FAMILY & CONSUMER SCIENCES



CAREER PATHWAY: EARLY CHILDHOOD DEVELOPMENT & SERVICES

ORIENTATION TO EARLY CHILDHOOD DEVELOPMENT

(7519/7520)

10, 11, 12

1 Elective Credit

The Early Childhood course addresses child development and care and education issues for embryos to preschoolers, so that students can guide the development of young children in an educational setting. Study includes planning and implementing developmentally appropriate hands-on activities, basic health, nutrition, safety practices, and stages of brain development, discipline, and legal requirements for teaching young children. ***This is a Technical Level course in the Early Childhood Development & Services Career Pathway.***

FOUNDATIONS TO EARLY CHILDHOOD DEVELOPMENT

(7518/7549)

11, 12

1 Elective Credit

Prerequisite: Orientation to Early Childhood Development

Child Development classes provide students with knowledge about the physical, mental, emotional, and social growth and development of children from conception to pre-school age, emphasizing the application of this knowledge in child care settings. This course includes related topics such as the appropriate care of infants, toddlers, and young children. ***This is a Technical Level course in the Early Childhood Development & Services Career Pathway.***

EARLY CHILDHOOD APPLICATION

(7527/7543)

12

1 Elective Credit

Prerequisite: Foundations to Early Childhood Development. This course can be taken as a GCHS elective or a GCCC credit, fees may apply.

Students will be assigned to a daycare or preschool to work 2-3 class periods per week beginning the 3rd week of the course. Students will be required to keep a daily journal and a portfolio and must have their own transportation to the work site. ***Attendance is required and closely monitored. Students will be representing Garden City High School and are expected to be professional in dress and conduct. This is an Application Level course in the Early Childhood Development & Services Career Pathway.***



CAREER PATHWAY: TEACHING TRAINING

ORIENTATION TO EARLY CHILDHOOD DEVELOPMENT

(7519/7520)

10, 11, 12

1 Elective Credit

The Early Childhood course addresses child development and care and education issues for embryos to preschoolers, so that students can guide the development of young children in an educational setting. Study includes planning and implementing developmentally appropriate hands-on activities, basic health, nutrition, safety practices, and stages of brain development, discipline, and legal requirements for teaching young children. ***This is a Technical Level course in the Early Childhood Development & Services Career Pathway.***

TEACHING AS A CAREER

(7534/7535)

11, 12

1 Elective Credit

Prerequisite: Orientation to Early Childhood Development

This Teaching Profession course introduces students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information through research-based methodologies. Students will learn classroom management strategies, understand student behavior at various ages, develop leadership and human relations skills, compare types of assessment, apply teaching strategies, and explore various career opportunities in the field of education. ***This is a Technical Level course in the Teaching Training Career Pathway.***

EXPLORING TEACHING

(7307/7308)

12

1 Elective Credit

Prerequisite: Teaching as a Career. This course can be taken as a GCHS elective or a GCCC credit, fees may apply.

This is the final class in the teacher preparation program. Students in this class will be working directly with students in a K-12 classroom setting. Each student will prepare a portfolio and resume and present it to a cooperating teacher for application. The students will keep an electronic portfolio with all information and skills demonstrated through the semester. Students must provide their own transportation to and from the school work site. ***Good attendance is mandatory. Students will be representing Garden City High School and are expected to be professional in dress and conduct. This is an Application Level course in the Teaching Training Career Pathway.***



CAREER PATHWAY: RESTAURANT AND EVENT MANAGEMENT

Our **state-of-the-art Culinary Center** is designed for students interested in exploring the technical and creative side of the culinary arts and the baking and pastry arts industry. Students can also become nationally certified in sanitation with the ServSafe Certification. With the completion of the program, students can also earn the **National ProStart Certification** making them eligible to qualify for college credit and scholarships. Opportunities are available to compete in state and national competitions to earn recognition and scholarships. Success requires committed students! The Culinary Arts Management Program is supported by the Education Foundation of the National Restaurant Association. **Student assistance with Culinary catering events is mandatory.**

HYGIENE STANDARDS FOR ALL CLASSES:

For sanitation and safety reasons, all students must adhere to these culinary industry standards:

- No jewelry
- No heavy perfume
- Nails must be kept short, clean and without polish or decoration
- Beards and goatees are not permitted
- Hair is required to be covered with a chef's hat (provided)
- Closed toe, non-skid shoes must be worn
- No shorts, sweatshirts, jackets
- Apron and/or chefs coat must be worn (provided)
- Makeup is to be conservative/minimal
- No electronic devices-headsets, earpieces, etc.

CULINARY ESSENTIALS

(7536)

10, 11, 12

½ Fine Arts Credit

Students learn to work together while creating delicious food in a professional kitchen. Within the first few weeks of this class, **YOU ARE COOKING!** Whether you are preparing pizza, baking cookies or creating a casserole, you are gaining the necessary knowledge to enter the culinary field **WHILE HAVING FUN!** Skills include knife and food safety, salad making, sandwich and breakfast foods. Also included will be the use of kitchen equipment, hand tools, standardized recipes, culinary math, basic nutrition, proper hygiene and sanitation and kitchen safety. **Student assistance with Culinary catering events is mandatory. Course offered every other year with Event Planning & Management. This is a Technical Level course in the Restaurant and Event Management Career Pathway.**

CULINARY ARTS I

(7521/7522)

10, 11, 12

1 Fine Arts Credit

Prerequisite: Culinary Essentials

Students will continue to improve their culinary skills in the area of hot food preparation which includes soups, stocks and sauces, as well as various meats, poultry and their applicable cooking methods. Other topics include the sources, symptoms and prevention measures for common food illnesses, meal management, correct use of food production equipment and the production and facility management principles. **Student assistance with Culinary catering events is mandatory. This is a Technical Level course in the Restaurant and Event Management Career Pathway.**

BAKING AND PASTRY I

(7544)

10, 11, 12

½ Fine Arts Credit

Prerequisite: Culinary Essentials

Do you have a passion for baking? In this course, you will master basic methods in mixing and baking of breads, muffins, biscuits, cookies, pies, and cakes. You will learn to safely use baking equipment, tools, sanitation, and weighing and measuring of ingredients. All students will prepare baked items for our bakery sales and "made-to-order" bakery service. **Student assistance with Culinary catering events is mandatory. This is a Technical Level course in the Restaurant and Event Management Career Pathway.**

EVENT PLANNING & MANAGEMENT

(7553)

10, 11, 12

½ Fine Arts Credit

Prerequisite: Culinary Arts I

This course provides students with the knowledge and skills related to the event planning and implementation process. It will include establishing client relationships, the importance of communication, planning process, resource management, public relations, marketing principles, quality service and staffing issues. **This is a Technical Level course in the Restaurant and Event Management Career Pathway.**

PRINCIPLES OF MARKETING

(7554/7555)

11, 12

1 Elective Credit

Prerequisite: Business Essentials

This course offers students insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content ranges from general marketing principles such as purchasing, distribution, and sales. There is a major emphasis placed on kinds of markets; market identification, product planning, packaging and pricing; and business management. **This is a Technical Level course in the Restaurant & Event Management Career Pathway.**

ENTREPRENEURSHIP

(7105)

11, 12

½ Elective Credit

This course will acquaint students with the knowledge and skills necessary to own and operate their own businesses or the ability to use the entrepreneurial mindset in an existing organization. Topics from several fields typically 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. **This is a Technical Level course in the Business Finance Career Pathway.**

CULINARY APPLICATIONS

(7511/7512)

11, 12

1 Fine Arts Credit

Prerequisite: Culinary Arts I and/or Baking and Pastry I

Perfect your culinary skills in our new, fully equipped commercial kitchen and dining area. You will be part of a student team that creates gourmet meals, caters luncheons, dinner, and receptions for the school and community. In addition to mastering cooking and baking methods, you will learn menu planning and the basic principles of food service management. Work-based learning strategies utilized will include school-based enterprises such as operation of bakery, staff restaurant, catering service, and/or school nutritionist. **Student assistance with Culinary catering events is mandatory. This is an Application Level course in the Restaurant and Event Management Career Pathway.**

CAREER CONNECTIONS-CULINARY ARTS & RESTAURANT MANAGEMENT

(7563) 11, 12 ½ Elective Credit
Students will explore careers and analyze opportunities for employment and entrepreneurial endeavors in culinary arts, baking and pastry, or restaurant and management. This will be accomplished through a self-selected career project following the FCCLA Planning Process. A professional portfolio will be developed by the student and include: demonstrating job acquisition skills to gain work-experience opportunities, effective communication skills (speaking, listening, observing and writing), leadership and teamwork skills required to complete projects and goals in a workplace setting, and professional behaviors, including 21st Century Employability Skills, creative thinking, problem solving and the use of technology. ***This is an Application Level course in the Restaurant and Event Management Career Pathway.***

COMMUNITY CONNECTIONS-CULINARY ARTS & RESTAURANT MANAGEMENT

(7562) 11, 12 ½ Elective Credit
Students will self-select a community service project related to career paths in family and consumer science fields, including culinary arts and restaurant management. The project planning will be researched and organized in the classroom and implemented in the community using career-ready skills of communication, leadership, teamwork, work ethic, and responsibility. *Note-many College scholarships are based in part on community service and this course develops all aspects of a service learning project. ***This is an Application Level course in the Restaurant and Event Management Career Pathway.****

CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE (RESTAURANT AND EVENT MANAGEMENT)

(7438) 11, 12 ½ or 1 Elective Credit
Junior or Senior students who have taken courses in the Restaurant and Event Management pathway sequence may elect to participate in this capstone course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. ***This is an Application Level course in the Restaurant and Event Management career pathway.***



CAREER PATHWAY: FASHION, APPAREL & INTERIOR DESIGN

INTRODUCTION TO DRAWING

(5021/5023) 10, 11, 12 ½ Fine Arts Credit
Prerequisite: Introduction to High School Art
This course emphasizes the development of fundamental drawing skills. Focus will be on the application of art theory, processes and techniques that increase the power of observation. Instruction includes the elements and principles of design as applied in composition through hard copy and/or electronic software. ***This is an Introductory Level course in the Fashion, Apparel & Interior Design Career Pathway.***

ESSENTIALS OF FASHION, APPAREL & INTERIOR DESIGN

(7530) 10, 11, 12 ½ Fine Arts Credit
Students will explore career opportunities in the fashion and interior design industry. The principles and elements of design will be introduced and developed for use in fashion and interiors. Students will create a personalized fashion construction project. A professional portfolio will be developed and maintained by each student to document knowledge and skills. This class is offered both semesters. ***This is a Technical Level course in the Fashion, Apparel & Interior Design Career Pathway.***

FASHION TRENDS

(7567) 10, 11, 12 ½ Fine Arts Credit
Prerequisite: Essentials of Fashion, Apparel & Interior Design
Students will learn about current trends in the fashion industry as well as the history of fashion. Fashions will be produced by the students that reflect those current trends. Topics may include colors and fads of the season, sustainable design, apparel for diverse populations (such as aging, special needs, etc.) and how trends are developed. Student selected projects will be based on trends in fashion. ***This is a Technical Level course in the Fashion, Apparel & Interior Design Career Pathway.***

INTERIOR DESIGN

(7568) 10, 11, 12 ½ Fine Arts Credit
Prerequisite: Essentials of Fashion, Apparel & Interior Design
Students will learn about current trends in the interior design industry. Designs will be produced by the students that reflect those current trends. Topics may include colors and fads of the season, sustainable design, housing for diverse populations (such as aging, special needs, etc.) and how trends are developed. Student selected projects will be based on trends in interior design. ***This is a Technical Level course in the Fashion, Apparel & Interior Design Career Pathway.***

FASHION, APPAREL, & INTERIOR DESIGN MERCHANDISING & ENTREPRENEURSHIP

(7548) 10, 11, 12 ½ Fine Arts Credit
Prerequisite: Essentials of Fashion, Apparel & Interior Design
Please Note: This course is only offered during the spring semester
Fashion, Apparel, and Interior Design Merchandising and Entrepreneurship is a course that centers upon the merchandising of interior and textile products in a variety of settings. Topics include exploring cycles, trends and styles, as well as techniques in coordination, promotion, display and sales of interior and textile items. Students will work on projects such as merchandise displays and window displays. Basic management and entrepreneurship will be introduced. ***This is a Technical Level course in the Fashion, Apparel & Interior Design Career Pathway.***

THEATRICAL COSTUME DESIGN & CONSTRUCTION

(5239) 10, 11, 12 ½ Fine Arts Credit
Prerequisite: Essentials of Fashion, Apparel, and Interior Design or basic machine sewing skills
Students will explore careers and analyze opportunities for employment and entrepreneurial endeavors through fashion and design. This will be accomplished through a self-selected career project following the FCCLA Planning Process that may include costume design, construction, and related costume crafts. Students will design, sketch, and construct costumes for the high school Theatre Department's productions. Students will learn costume designs from different eras and understanding of basic rendering and costume design techniques. Basic sewing machine skills are required with this semester class. A required professional portfolio will be developed by the student and include: technical skills, 21st Century Employability skills, project leadership, creative thinking, and problem solving using the planning process, and the use of technology in completing the career project. This course may be repeated. ***This is a Technical Level course in the Fashion, Apparel & Interior Design Career Pathway.***

APPAREL PRODUCTION

(7570)

10, 11, 12

½ Fine Arts Credit

Prerequisite: *Essentials of Fashion, Apparel, and Interior Design*

Apparel production provides students with the opportunity to expand knowledge and experience with original designs for people. Topics will include the language, materials, and processes used to apply the design. The instruction regarding the creative process becomes more refined and students are encouraged to develop their own design styles to meet the needs of themselves or a client. ***This is an Application Level course in the Fashion, Apparel & Interior Design Career Pathway.***

FASHION, APPAREL, & INTERIOR DESIGN (F.A.I.D.) STUDIO

(7569)

10, 11, 12

½ Fine Arts Credit

Prerequisite: *Apparel Production or Interior Design*

F.A.I.D. Studio provides students with the opportunity to expand knowledge and experience with original designs for people. Topics will include the language, materials, and processes used to apply the design. The instruction regarding the creative process becomes more refined and students are encouraged to develop their own design styles to meet the needs of themselves or a client. ***This is an Application Level course in the Fashion, Apparel & Interior Design Career Pathway.***

CAREER CONNECTIONS

(5238)

11, 12

½ or 1 Elective Credit

Prerequisite: *Essentials of Fashion, Apparel & Interior Design*

Students will self-select a career exploration or community service project related to career paths in family and consumer science fields, including graphic arts and visual arts (fashion, textiles and interior design). The project planning will be researched and organized in the classroom and implemented in the community using career-ready skills of communication, leadership, teamwork, creative thinking, and problem solving, work ethic, and responsibility. *Note- many college scholarships are based in part on community service and this course develops all aspects of a service learning project.* This course may be repeated. ***This is an Application Level course in the Fashion, Apparel & Interior Design Career Pathway.***

ORAL COMMUNICATIONS

The following courses count toward the 1 credit of Oral Communications required for graduation.

SPEECH I

(5200) 10, 11, 12 ½ Oral Comm. Credit
This course will provide an introduction to the basic components of oral communication. Students will participate in activities that introduce them to public speaking, basic acting, mass communication and simplified debate. Students will learn to select, organize and present multiple forms of information.

SPEECH II

(5201) 10, 11, 12 ½ Oral Comm. Credit

Prerequisite: One of the following: Speech I, Debate or Forensics

This class is the companion course to Speech I. It is for the student who wishes to further his/her public speaking abilities without specializing in a specific communications area. Students will focus on real world applications of speaking skills including informative and persuasive speaking, business presentations, small group communication and job application processes.

INTRODUCTION TO THEATRE

(5231) 10, 11, 12 ½ Oral Comm. Credit
or ½ Fine Arts Credit

Students will be introduced to both acting and technical theatre. Students will learn character building, set construction, lighting, sound, properties, and costuming. Students will work hands-on with a variety of projects aimed at learning introductory theatre skills.

INTRODUCTION TO REPERTORY THEATRE (CHILDREN'S THEATRE)

(5233) 10, 11, 12 ½ Oral Comm. Credit
or ½ Fine Arts Credit

Please Note: This class is only offered in the spring semester.

This course is intended for students who have an interest in acting and the theatrical arts, but may or may not have been cast in a mainstage show. Students select a production to perform for local elementary schools and work on performance skills within the play as well as creating all scenery, costumes, and properties.

ADVANCED MUSICAL THEATRE REP (MUSICAL)

(5248/5249) 10, 11, 12 ½ Oral Comm. Credit
or ½ Fine Arts Credit

Please Note: Audition required for enrollment in this course. This course is offered both semesters.

This course is intended for students who would like to fine-tune skills in musical theatre. Students will rehearse and perform a full musical. This course requires some outside-of-class rehearsal. Students will attend a summer boot camp in preparation for the production and dance requirements of the production as well as attend some evening rehearsals and performances.

ADVANCED REPERTORY THEATRE (PLAY)

(5203) 10, 11, 12 ½ Oral Comm. Credit
or ½ Fine Arts Credit

Prerequisite: Audition required for enrollment in this course. This course is only offered in the spring semester.

This course is intended for students to further their acting skills within a full length production. Students will rehearse and perform a full play. This course requires some outside-of-class time. Students will also prepare for serious careers in acting by preparing material for college auditions and applications to colleges and universities. Students will leave the course having headshots and resumes.

DEBATE I

(5204) 10, 11, 12 ½ Oral Comm. Credit

Debate offers excellent training for the intended professional person. The course offers students the opportunity for free thought on specific policy topics. The student will learn basic strategies: how to research, organize and use persuasion techniques. Each student must have some time each day to work on debate and be free to compete in interscholastic tournaments on weekends (first semester). There will be some incidental expenses for materials.

ADVANCED DEBATE

(5206) 10, 11, 12 ½ Oral Comm. Credit

Prerequisite: Debate I and teacher approval

Advanced debate offers students additional instruction in the strategies and practice of competitive debate. Heavy emphasis will be placed on research strategies, speaking skills, persuasion tactics and audience adaptation. Each student must have some time each day to work on debate and be free to compete in interscholastic tournaments on weekends. There will be some incidental expenses for materials.

FORENSICS I: COMPETITIVE SPEECH AND DRAMA

(5207) 10, 11, 12 ½ Oral Comm. Credit

Forensics offers participation in specific areas of public speaking, acting and oral interpretation. Students will compete with students from other high schools in the areas of duet acting, dramatic or humorous interpretation, oral interpretation of poetry and prose, persuasive speech, informative speech, foreign and domestic speech and Lincoln-Douglas Debate. The student must be free to travel to tournaments on weekends during the forensics season (second semester).

ADVANCED FORENSICS: COMPETITIVE SPEECH AND DRAMA

(5208) 10, 11, 12 ½ Oral Comm. Credit

Prerequisite: Forensics I or Competitive Speaking and teacher approval

Advanced Forensics is designed for the student who wishes to improve speaking, acting or interpretation skills in competition. Extensive travel to tournaments will take place during the forensics season (second semester).

21st CENTURY JOURNALISM

(6034)

10, 11, 12

½ Oral Comm. Credit

The purpose of this course is to introduce students to the role of journalism in today's society. Publications: Students will learn the journalistic writing process, which includes identifying purpose and audience, working with deadlines, conducting research and interviewing, note-taking and documenting resources. Student will learn to use publication software. Broadcasting: Students will gain first-hand experience in the fields of television and radio broadcasting. Students will learn to write radio/TV scripts, give oral presentations, conduct research and interviews, and produce broadcast quality presentations for television and radio. Students must take this course before enrolling in any of the Digital Media Programs (Radio/TV, Newspaper or Yearbook). This is a technical level course in the AV Communications Pathway for Digital Media.

ADVANCED AUDIO/VIDEO PRODUCTION - RADIO

(5244/5245)

11, 12

1 Oral Comm. Credit

Prerequisite: Audio/Video Fundamentals

Radio is an advanced radio course that examines the management roles in a professional radio station as well as trains students in advanced techniques of radio production. This course will be a major source of original programming to be on the GCHS radio station KBFZ 101.7 FM. Students will perform various advanced production projects such as doing color commentary and play-by-play for a sporting event, a specialized radio show with a request, talk or sports format live on air. Additionally, students will take on various management responsibilities for the high school station including program director, music director and news director.

AUDIO/VIDEO FUNDAMENTALS - RADIO

(5240/5241)

10, 11, 12

1 Oral Comm. Credit

Prerequisite: 21st Century Journalism

Radio is a beginning production course in radio broadcasting where students learn the basic scheduling, programming, production and management responsibilities. Students will take part in doing commentary, music selection, news articles, public service announcements, interviews, taped or live on air.

AUDIO/VIDEO FUNDAMENTALS - VIDEO

(5242/5243)

10, 11, 12

1 Oral Comm. Credit

Prerequisite: 21st Century Journalism

Video is designed to help students to develop their communication and technical skills in front and behind the camera. Students will demonstrate camera and editing techniques that support school and community activities. Additionally, students will take on some management responsibilities for the high school station including Channel 21, Buffalo Broadcasting, as well as assisting in producing the high school's daily newscasts or other school events.

ADVANCED AUDIO/VIDEO PRODUCTION - VIDEO

(5246/5247)

11, 12

1 Oral Comm. Credit

Prerequisite: Audio/Video Fundamentals

Video is designed to allow students to enhance and develop their skills from the earlier courses and work with instructor. The student will demonstrate camera techniques, editing techniques, assist in impromptu filming projects that come up during the semester and support school and community activities. Additionally, students will take on various management responsibilities for the high school station including station manager for operation of the high school cable access channel, Channel 21, Buffalo Broadcasting, as well as producing the high school's daily newscast and assisting in the broadcast of sporting events such as football, basketball and soccer games.

FINE ARTS ELECTIVES

The following course fulfills General or Fine Arts elective credit, not Language Arts or Oral Communications credit.

TECHNICAL THEATRE

(5218/5219)

10, 11, 12

½ or 1 Fine Arts Credit

Students enrolled in Technical Theater will act as the official technical crew for the GCHS Auditorium. They will assist in building scenery for plays, assist groups using the auditorium, and will act as the lighting and sound crew. Students must be available for theater productions. Some tools and supplies may be required. This course may be repeated with teacher permission.

PHYSICAL EDUCATION

Garden City High School requires 1/2 credit of Health and 1/2 credit of Physical Education electives for graduation. Flexibility and cardiovascular endurance will be stressed in all classes. Students must dress in appropriate physical education attire in all physical education classes, except walking. Students wishing to shower must bring their own towel. Students with special health care needs who are enrolled in P.E. classes must have a confidential health form signed by a parent and physician each semester in order for activity adjustments to be accepted. If a student does not dress out in a dress out class, his/her schedule will be changed to a walking class. Students may not be concurrently enrolled in more than 2 P.E. classes in the same semester only 1 weightlifting course per semester is permitted.

INDIVIDUAL AND TEAM SPORTS

(7814/7820) 10, 11, 12 1/2 or 1 P.E. Credit
Recommendation: A fee will be charged as needed for participation in community activities

This activity class will be health related fitness based: Cardiovascular, muscular strength and endurance, flexibility and body composition. This will be accomplished through the active participation in a variety of sports and activities, including but not limited to, cricket, flag football, golf, lacrosse, orienteering, racquet sports, team handball, and ultimate Frisbee, volleyball and fitness activities. Fitness testing and a personal fitness portfolio will be utilized. It may be repeated for a total of 1 credit each year.

JOGGING, FITNESS & CONDITIONING

(7802/7803) 10, 11, 12 1/2 or 1 P.E. Credit
Prerequisite: KSHSAA physical form to be completed

This course is designed to emphasize cardiovascular activities including walking, jogging, jumping rope and weightlifting. It will result in an increase in the fitness level of students who participate. It may be repeated for a total of 1 credit each year.

PHYSICAL DIMENSIONS

(7800/7817) 10, 11, 12 1/2 or 1 P.E. Credit

This semester long course is designed to provide students with the knowledge and skills needed to engage in physically active and healthy activities throughout their lifetime. The course is made up of two different areas of focus: 1) health related aspects of fitness and 2) lifetime activities. Students enrolled in this course will receive instruction in each of the two areas each semester. This course may be repeated for a total of 1 credit during the year.

PERSONAL FITNESS & AEROBICS

(7804/7818) 10, 11, 12 1/2 or 1 P.E. Credit

This course is designed to improve health-related fitness while teaching students different types of lifetime physical activities. These may include high/low aerobics, low impact aerobics, walking, jogging, step aerobics, Tae-Bo, HIIT, Tabata, workouts with various types of resistance, stretching and balance activities. Students will be provided with educational opportunities in nutrition, wellness, and safe and effective techniques in exercise. It may be repeated for a total of 1 credit each year.

SPORTS OFFICIATING

(7813) 11, 12 1/2 P.E. Credit

This class is designed to instruct and give students a knowledge base in the officiating of both male and female sports. This course will provide theory and practice in the areas of baseball, basketball, football, soccer, softball and volleyball. The students will have the opportunity to gain practical experience by officiating intramural sports. It may be repeated for a total of 1 credit each year with the approval of instructor only. **A KSHSAA officiating book must be purchased for the cost of \$12.00.**

TUMBLING

(7812/7819) 10, 11, 12 1/2 or 1 P.E. Credit

Tumbling class will be taught on a progression scale. Students will be required to demonstrate a high caliber performance of the activity or stunt on the progression chart before attempting the next level of progression. Students will work to improve their cardiovascular fitness, muscular strength, muscular endurance and flexibility. The skill related components of fitness, balance, coordination, agility, speed and power will also be implemented into the course. Students will be required to perform, in class, a minimum of three (3) self-developed routines. Anatomy and physiology will also be taught and reinforced through kinesthetic means. It may be repeated for a total of 1 credit each year.

WALKING FOR A LIFETIME

(7815/7821) 10, 11, 12 1/2 or 1 P.E. Credit

This class is designed to improve the overall health-related fitness of an individual who has moderate or low fitness level. The students will walk every class. They will be challenged to improve their fitness level. Calisthenics and flexibility will be emphasized. It may be repeated for a total of 1 credit each year. Dressing out for this class is not required.

WEIGHT TRAINING

(7805/7806) 10, 11, 12 1/2 or 1 P.E. Credit

This course is designed to develop a weightlifting and training program to fit the student's needs-athlete or non-athlete. Flexibility, cardiovascular endurance, strength, muscular endurance and body composition are fitness components that will be stressed. It may be repeated for a total of 1 credit each year. Students who do not dress out two days will be moved to a different P.E. course.

ADVANCED WEIGHT TRAINING

(7807/7808) Zero Hour, offered Fall & Spring 10, 11, 12 1/2 or 1 P.E. Credit

(7809/7810) 1st Hour, offered Fall & Spring 10, 11, 12 1/2 or 1 P.E. Credit

(7809/7810) 2nd Hour, offered Spring

Prerequisite: Weight Training, instructor permission required.

This course is designed to develop an advanced weightlifting and training program to fit the student's needs. It may be repeated for a total of 1 credit each year.

SCIENCE

Garden City High School requires 3 credits of science for graduation, one credit must be Biology or Honors Biology. Kansas Qualified Admissions requires 3 credits of science and one credit must be either Chemistry or Physics.

ASTRONOMY

(6612)

10, 11, 12

½ Science Elective Credit

Prerequisite: *Algebra I and Biology*

Students who want to improve their perspective of mass, space and time should enroll in astronomy. Highly motivating units that will be studied include significant history of astronomy, the composition and motions of our own solar system, the moon's phases, motions and effects upon the earth, stars and star constellations, galaxies and other stellar phenomena, cosmology and the NASA program. Methods of instruction include lectures, demonstrations, videos from NASA, telescope viewing, development of an observation log and rocketry design and construction.

BIOTECHNOLOGY

(6652/6653)

11, 12

1 Science Elective Credit

Prerequisite: *Biology and one additional science credit (preferably Chemistry or concurrently enrolled in Chemistry)*

This course is the blending of Biology and Technology. It is a lab-intensive experience that will prepare you for a career in the Biological sciences. Forget the macroscopic world and take a journey inside the cellular machinery of viruses, bacteria and our very own cells. Learn how these cutting edge techniques are being used in the food, medical, and engineering industries to improve our lives and the planet. Welcome to the world of hacking our biology. ***This is a Technical Level Course in the Health Science Career Pathway.***

BODY SYSTEMS

(6636/6637)

10, 11, 12

1 Science Elective Credit

Prerequisite: *Biology*

Students determine the structures and functions of the human body. The student will examine, identify, and describe the general organs of each system and how they work together in the human body. The students will explore science in action through simulations, labs, and activities. Students will be able to work through real world scenarios related to various body systems and their functions. Students should expect to gain a better understanding of how their body adapts to changes in the environment as well as understand the cellular nature of life and organization in general. In addition to the textbook, students will use a variety of resources from traditional print to electronic media to acquire and evaluate relevant scientific content.

CHEMISTRY

(6618/6619)

10, 11, 12

1 Science Elective Credit

Prerequisite: *Biology and completed or concurrently enrolled in Algebra II or Geometry*

Chemistry involves the unique study of "taking things apart and putting things together." The primary course emphasis is obtaining a background of fact and theory applicable to a college preparatory chemistry course. The general presentation of topics includes the study of the atom; chemical elements and their respective positions in the Periodic Table; chemical bonding principles; general structure and phases of matter; behavior and related reactions of acids, bases and salts; equilibrium; oxidation-reduction theory and principles; a brief introduction to Organic Chemistry, including chemical spectroscopy and nuclear chemistry. Methods of instruction include lectures, demonstrations, labs and videos. This course is designed in part to prepare students for admission to a university. ***This is an Introductory Level Course in the Health Science Career Pathway.***

AP/HONORS CHEMISTRY

(6622/6623)

11, 12

1 Science Elective Credit

Prerequisite: *Chemistry, and Adv. Algebra or concurrently enrolled in Adv. Algebra or Calculus*

AP Chemistry is designed to be the equivalent of the general chemistry course usually taken during the first college year. At least 25% of this course is dedicated to laboratory work. A lab notebook will be created by each student to record and reinforce concepts throughout the course. The student will cover the following topics: chemical foundations; atoms; molecules and ions; stoichiometry, chemical reactions; gas laws; thermochemistry; atomic structure and bonding; solutions; reaction rates; chemical equilibrium; acids and bases; and electrochemistry. This course is designed in part to prepare students for admission to a university and to receive college credit for a qualifying AP test score. ***Students enrolled in AP Chemistry take the AP Exam and pay the exam fee of approximately \$80. This course is an indexed course.***

ENVIRONMENTAL SCIENCE

(6610/6611)

10, 11, 12

1 Science Elective Credit

Prerequisite: *Biology*

This course gives a basic working knowledge of the environment and the issues that pertain to the environment. Pollution and its causes in water, air and land will be discussed. Topics will include interactions of ecosystems, types of ecosystems and how organisms work in the ecosystems, biodiversity and its impact and population concerns. This course is designed in part to prepare students for admission to a university.

GEOLOGY

(6613)

10, 11, 12

½ Science Elective Credit

Prerequisite: *Biology*

Geology is an in-depth study of geologic features such as mountain building, earthquakes, volcanoes, ocean floors and continent formation. Studies of geologic interest in Garden City and surrounding area include the Arkansas River, sand hills, sandpits, irrigation wells, fossils and Scott Park. Activities will include map reading, topographic mapping, and rock and mineral identification. Methods of instruction include lectures, videos, labs and a field trip.

MATERIALS SCIENCE & ENGINEERING

(7739/7740)

11, 12

1 Science Elective Credit

Recommendation: *Successful completion of Chemistry and/or Physics.*

Materials Science and Engineering is a discipline that incorporates the creation, manufacturing, and testing of material used in all aspects of life. These materials are typically broken down into five categories: solids, metals, ceramics and glass, polymers (plastics), and composites. These materials are studied both on the microscopic (atomic) level (structure, composition, and molecular behavior) as well as the macroscopic level (properties, processing, testing and uses). Therefore, Materials Science and Engineering is an interdisciplinary course that spans chemistry, physics, engineering, and mathematics. These concepts will be studied by focusing on problem solving skills, creating projects and completing open-ended experiments, incorporating demonstrations, implementing reading from outside resources including magazines and journal articles, as well as writing to convey understanding and procedures.

PHYSICAL SCIENCE

(6600/6601)

10, 11, 12

1 Science Elective Credit

Prerequisite: Biology

This course will focus on integrating topics from chemistry, physics, and earth and space sciences. The course will help students make connections between applications and indicators on the Kansas Science Assessment. Topics to be discussed include the following: matter, states of matter, atoms and the periodic table, the atmosphere, weather, planet earth, the solar system motion, forces, work and energy waves, sound and light, cells and systems. The scientific method will be used to investigate these areas. Student and lab techniques in these areas will be the focus.

PHYSICS

(6624/6625)

10, 11, 12

1 Science Elective Credit

Prerequisite: Biology and Geometry

Physics is an introductory course in basic relationships of matter and energy. Concepts that will be studied and discussed are motion, force, energy, heat and thermal effects, fluids, electricity and magnetism, nuclear and atomic physics. Emphasis will be placed on the application of physical concepts to everyday life. Methods of instruction include lectures, demonstrations and labs. This course is designed in part to prepare students for admission to a university. **This course is an indexed course.**

TECHNICAL PHYSICS I

(6632/6633)

10, 11, 12

1 Science Elective Credit

Prerequisite: Algebra I and Biology

Technical Physics I is designed to provide students with the necessary skills and information to successfully function in today and tomorrow's technical world. Students will study the relationships that exist between mechanical, fluid, electrical and thermal systems and how they are applied in seven different types of energy units: Force, Work, Rate, Resistance, Energy, Power and Force. The class work is presented by videos, class discussions, workbook readings and exercises, demonstrations, and hands-on laboratory exercises. This class is highly recommended for students who are interested in attending a technical school or a four-year college or university.

ZOOLOGY

(6630/6631)

11, 12

1 Science Elective Credit

Prerequisite: Biology

Please note: Reliable transportation is required for this course.

Zoology aims to promote the understanding of animals and their interactions with nature. It addresses the influence mankind has on the environment as well as conservation methods to lessen that impact. This is done by learning the history of life on Earth; from the first single-celled organisms to the evolution of the diverse animals we find today. The different classes of animals will be compared as we explore skeletal systems, movement, feeding, habitats, senses, defenses and adaptations, behavior, communication, courtship and intelligence. The student will utilize resources and biofacts provided by Lee Richardson Zoo where class will be held about once a week. Reliable transportation is a must for this course. This class operates under the philosophy presented by the environmentalist Baba Dioum, "In the end, we will conserve only what we love; we will love only what we understand and we will understand only what we are taught." **This course is an indexed course.**



CAREER PATHWAY: BIOMEDICAL

CHEMISTRY

(6618/6619)

10, 11, 12

1 Science Elective Credit

Prerequisite: Biology and completed or concurrently enrolled in Algebra II or Geometry

Chemistry involves the unique study of "taking things apart and putting things together." The primary course emphasis is obtaining a background of fact and theory applicable to a college preparatory chemistry course. The general presentation of topics includes the study of the atom; chemical elements and their respective positions in the Periodic Table; chemical bonding principles; general structure and phases of matter; behavior and related reactions of acids, bases and salts; equilibrium; oxidation-reduction theory and principles; a brief introduction to Organic Chemistry, including chemical spectroscopy and nuclear chemistry. Methods of instruction include lectures, demonstrations, labs and videos. This course is designed in part to prepare students for admission to a university. **This is an Introductory Level Course in the Health Science Career Pathway.**

BODY SYSTEMS

(6636/6637)

10, 11, 12

1 Science Elective Credit

Prerequisite: Biology

Students determine the structures and functions of the human body. The student will examine, identify, and describe the general organs of each system and how they work together in the human body. The students will explore science in action through simulations, labs and activities. Students will be able to work through real world scenarios related to various body systems and their functions. Students should expect to gain a better understanding of how their body adapts to changes in the environment as well as understand the cellular nature of life and organization in general. In addition to the textbook, students will use a variety of resources from traditional print to electronic media to acquire and evaluate relevant scientific content. **This is a Technical Level Course in the Health Science Career Pathway.**

HUMAN ANATOMY & PHYSIOLOGY

(6628/6629)

11, 12

1 Science Elective Credit

Prerequisite: Biology or Honors Biology.

Human Anatomy & Physiology is designed for the student with a general interest in pursuing a career in the health sciences. Topics include: orientation of human anatomy, cytology, histology, integumentary system, skeletal and muscular systems, digestive system circulatory and respiratory systems, endocrine and nervous systems, urinary and reproductive system. There is also a detailed small animal dissection and the students have the opportunity to study the systems on cadavers. This course is designed in part to prepare students for admission to a university. **This course is an indexed course. This is a Technical Level Course in the Health Science Career Pathway.**

ROBOTICS

(6640/6641)

10, 11, 12

1 Elective Credit

Prerequisite: Geometry with a grade of C or better, or Instructor Permission.

Please Note: Space is Limited

Robotics focuses on the use of technology to monitor the environment and automate machinery. Topics will include mechanics, electronics, programmable logic controllers, motor control, CADD, and the engineering design process associated with conceptualizing and designing robots. Students will also have the opportunity to participate in a statewide robotics competition during the first semester. **This is a Technical Level course in the Engineering & Applied Mathematics Career Pathway.**

BIOTECHNOLOGY

(6652/6653)

11, 12

1 Science Elective Credit

Prerequisite: *Biology and one additional science credit (preferably Chemistry or concurrently enrolled in Chemistry)*

This course is the blending of Biology and Technology. It is a lab-intensive experience that will prepare you for a career in the Biological sciences. Forget the macroscopic world and take a journey inside the cellular machinery of viruses, bacteria and our very own cells. Learn how these cutting edge techniques are being used in the food, medical, and engineering industries to improve our lives and the planet. Welcome to the world of hacking our biology. ***This is a Technical Level Course in the Health Science Career Pathway.***

CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE (BIOMEDICAL)

(7436/7437)

11, 12

½ or 1 Elective Credit

Junior or Senior students who have taken courses in the BioMedical pathway sequence may elect to participate in this capstone course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. ***This is an Application Level course in the BioMedical career pathway.***



CAREER PATHWAY: HEALTH SCIENCE

CHEMISTRY

(6618/6619)

10, 11, 12

1 Science Elective Credit

Prerequisite: *Biology and completed or concurrently enrolled in Algebra II or Geometry*

Chemistry involves the unique study of "taking things apart and putting things together." The primary course emphasis is obtaining a background of fact and theory applicable to a college preparatory chemistry course. The general presentation of topics includes the study of the atom; chemical elements and their respective positions in the Periodic Table; chemical bonding principles; general structure and phases of matter; behavior and related reactions of acids, bases and salts; equilibrium; oxidation-reduction theory and principles; a brief introduction to Organic Chemistry, including chemical spectroscopy and nuclear chemistry. Methods of instruction include lectures, demonstrations, labs and videos. This course is designed in part to prepare students for admission to a university. ***This is an Introductory Level Course in the Health Science Career Pathway.***

BODY SYSTEMS

(6636/6637)

10, 11, 12

1 Science Elective Credit

Prerequisite: *Biology*

Students determine the structures and functions of the human body. The student will examine, identify, and describe the general organs of each system and how they work together in the human body. The students will explore science in action through simulations, labs and activities. Students will be able to work through real world scenarios related to various body systems and their functions. Students should expect to gain a better understanding of how their body adapts to changes in the environment as well as understand the cellular nature of life and organization in general. In addition to the textbook, students will use a variety of resources from traditional print to electronic media to acquire and evaluate relevant scientific content. ***This is a Technical Level Course in the Health Science Career Pathway.***

HUMAN ANATOMY & PHYSIOLOGY

(6628/6629)

11, 12

1 Science Elective Credit

Prerequisite: *Biology or Honors Biology.*

Human Anatomy & Physiology is designed for the student with a general interest in pursuing a career in the health sciences. Topics include: orientation of human anatomy, cytology, histology, integumentary system, skeletal and muscular systems, digestive system circulatory and respiratory systems, endocrine and nervous systems, urinary and reproductive system. There is also a detailed small animal dissection and the students have the opportunity to study the systems on cadavers. This course is designed in part to prepare students for admission to a university. ***This course is an indexed course. This is a Technical Level Course in the Health Science Career Pathway.***

HEALTH CAREER INVESTIGATIONS

(7515/7516)

10, 11, 12

1 Elective Credit

Prerequisite: *Biology and Body Systems, Anatomy & Physiology, or Instructor Permission*

This course is designed for students who have a serious interest in entering a career in health care. It will cover ethics and general job skills that contribute toward the successful performance of healthcare workers, as well as in-depth study of health care systems, medical terminology, career descriptions and professional skills associated with various careers. Students will also learn about educational requirements, desired personal characteristics, employment opportunities and work hours of specified Allied Health Careers. During the second semester, eligible students will take field trips and participate in shadowing experiences. Students must have their own transportation to the job-shadowing site. Students will have the opportunity to become a part of a student leadership organization called Health Occupation Students of America (HOSA). ***This is a Technical Level Course in the Health Science Career Pathway.***

CPR/FIRST AID/SPECIAL HEALTH SCIENCE TOPICS

(7811)

11, 12

½ Elective Credit

Prerequisite: *Health*

This course is designed for any student interested in learning more about safety as it relates to health and healthcare. Instruction will incorporate project and problem-based practices and procedures to demonstrate the criticality of these knowledge and skills. Students will develop basic technical skills required for obtaining ***CPR and First Aid certifications.*** The student will be introduced to victim assessment techniques, artificial respiration and CPR. Students will have the opportunity to become a part of a student leadership organization called Health Occupation Students of America (HOSA). ***Certification Test will cost \$20.00. This is a Technical Level Course in the Health Science Career Pathway.***

SPORTS MEDICINE

(7542)

11, 12

½ Elective Credit

Prerequisite: *Health Career Investigations*

This course is an introduction to sports medicine. It will give students an overview of the specialized health care needed in the wide world of sports and physical activity. Students will learn basic first aid, taping/bracing techniques, steps to injury evaluation and prevention, care and treatment, and introduction to physical rehabilitation techniques. We will also discuss body systems in addition to physical and mental demands of activities at all levels. Observations in clinical situations will be required. ***This is a Technical Level Course in the Health Science Career Pathway.***

SPORTS MEDICINE II

(TBD – Contingent upon approval from the Board of Education)

11, 12

½ Elective Credit

Prerequisite: Sports Medicine

This course is an introduction to sports medicine. It will give students an overview of the specialized health care needed in the wide world of sports and physical activity. Students will learn basic first aid, taping/bracing techniques, steps to injury evaluation and prevention, care and treatment, and introduction to physical rehabilitation techniques. We will also discuss body systems in addition to physical and mental demands of activities at all levels. Observations in clinical situations will be required. ***This is a Technical Level Course in the Health Science Career Pathway.***

CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE (HEALTH SCIENCE)

(7436/7437)

11, 12

½ or 1 Elective Credit

Junior or Senior students who have taken courses in the Health Science pathway sequence may elect to participate in this capstone course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. ***This is an Application Level course in the Health Science career pathway.***

HEALTH SCIENCE ROTATIONS A

(7517)

12

½ Elective Credit

Prerequisite: Health Career Investigations

This class will involve students designing school and community presentations on health/medical topics, reporting on literature in which health/medical care or the health/medical care profession is the central theme. This will be done through projects, activities, and required readings. Eligible students will participate in an internship experience under the direction of a local health professional. Students will need their own transportation and are required to wear scrubs (navy, khaki, burgundy) while at the shadow sites at all times. Students will have the opportunity to become a part of a student leadership organization called Health Occupation Students of America (HOSA). Frequent absences from the shadow site will result in the students being removed from the program and/or a reduction of their grade. ***This is an Application Level Course in the Health Science Career Pathway.***

HEALTH SCIENCE ROTATIONS B

(7540)

12

½ Elective Credit

Prerequisite: Health Science Rotations A

Students will participate in an internship experience under the direction of local health professionals in the five pathways. The students will be required to complete a research project and develop a presentation related to their research and internship experience for younger students. As part of this class students will set goals in conjunction with employers, teachers and parents. Students will need their own transportation and are required to wear scrubs while at the shadow sites at all times. Students will have the opportunity to become a part of a student leadership organization called Health Occupation Students of America (HOSA). ***This is an Application Level Course in the Health Science Career Pathway.***

CSI (CLASSROOM SCIENCE INVESTIGATION)

(6604/6605)

11, 12

1 Science Elective Credit

Prerequisite: Biology; have passed or currently enrolled in Law II

CSI will compliment Law II in conjunction with the Law Academy. Law II focuses on criminal justice and how differing law enforcement agencies work together to investigate and convict offenders. The CSI class will give a science aspect to the Law II curriculum. The student will conduct DNA analysis; AFIS fingerprinting, blood spatter, entomology, spatial recognition, and hair/fiber analysis. This is an application course in the Law, Public Safety Corrections & Security Pathway. ***This is an Application Level Course in the Health Science Career Pathway.***

SOCIAL STUDIES

Garden City High School requires 3 credits of social studies for graduation.

WORLD HISTORY

(6801/6802) 10, 1 Social Studies Credit
The World History course covers the period from around 1300 C.E. through the fall of the Soviet Union in the early 1990s. The course will cover intellectual trends, revolutionary movements, social interactions, political ideologies, economic theories, and geographical impacts. Students will focus on critical events, people, and turning points during this period including the Renaissance, imperialism, and twentieth-century issues.

AP EUROPEAN HISTORY/HONORS WORLD HISTORY

(6803/6804) 10, 11, 12 1 Social Studies Credit
In AP European History, students investigate significant events, individuals, developments, and processes from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world, economic and commercial development, cultural and intellectual development, states and other institutions of power, social organization and development, national and European identity, and technological and scientific innovations. AP European History is designed to be the equivalent of an introductory college or university survey of modern European history. Students should be able to read a college-level textbook and write grammatically correct, complete sentences. ***This course is an indexed course.***

U.S. HISTORY

(6805/6806) 11 1 Social Studies Credit
This course-of-study begins with a review of the major ideas, issues, and events of the late 19th century including imperialism, industrialization, and immigration. Students will then concentrate on the critical events, people, groups, ideas, and issues of the period from 1900 to the present, including Progressivism, World War I, the 1920s, the Great Depression and New Deal, World War II and its aftermath, the Civil Rights Movement, Vietnam, and the Modern World including the presidencies from Nixon to Trump, and the United States' response to globalization and international crises.

AP/HONORS U.S. HISTORY

(6807/6808) 11 1 Social Studies Credit
In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. AP U.S. History is equivalent to a two-semester introductory college course in U.S. history. Students should be able to read a college-level textbook and write grammatically correct, complete sentences. ***This course is an indexed course.***

U.S. GOVERNMENT

(6811) 12 ½ Social Studies Credit
The high school government course builds upon and adds to students' previous learning of history, government, economics, and geography to assist them in becoming truly informed, thoughtful, and engaged citizens in a democracy. The course should be rigorous and relevant with instruction that integrates thinking skills, historical processes, and content so that students are able to apply the learning to their own lives. Instruction should include the integration of concepts and principles from history, economics, geography, civics, and the humanities.

SOCIOLOGY

(6819) 11, 12 ½ Social Studies Elective Credit
Sociology is the study of humans and their agreements and disagreements. The objective of this course is to give students a better understanding of the society around them. A wide range of methods will be used to teach this class. Students will study groups, cultures, societal statistics and the impact of social change. This course is designed in part to prepare students for admission to a university.

AP/HONORS PSYCHOLOGY

(6816/6817) 11, 12 1 Social Studies Elective Credit
Advanced Placement Psychology is a course and exam for motivated and advanced students who wish to complete the high school equivalent to a college introductory psychology course. The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. This course will follow the College Board guidelines. ***Students enrolled in AP Psychology will have the opportunity to take the AP Exam and pay the exam fee of approximately \$87.*** The AP Exam can qualify students for college credit. ***This course is an indexed course.***

WARFARE IN HISTORY

(6847) 10, 11, 12 ½ Social Studies Elective Credit
This elective course is designed to examine the impact of technological innovation and geographical exploration throughout history. This will include Greco-Roman, Medieval Europe and American histories (i.e. Greek Phalanx, Roman Legions, and Feudal system, Conquistadors, American Civil War, World War I and II).



CAREER PATHWAY: CORRECTIONS, SECURITY, LAW, AND LAW ENFORCEMENT SERVICES

LAW I

(6820/6849)

10, 11, 12

1 Social Studies Elective Credit

Recommended Prerequisite: Introduction to Law, Public Safety & Security

This course is designed to give students working knowledge of the various fields of law enforcement, including criminal and civil law, the court system and the Bill of Rights. **This is a Technical Level Course in the Corrections, Security, and Law Enforcement Services Career Pathway.**

CPR/FIRST AID/SPECIAL HEALTH SCIENCE TOPICS

(7811)

11, 12

½ P.E. Credit

Prerequisite: Health

This course is designed for any student interested in learning more about safety as it relates to health and healthcare. Instruction will incorporate project and problem-based practices and procedures to demonstrate the criticality of these knowledge and skills. Students will develop basic technical skills required for obtaining **CPR and First Aid certifications**. The student will be introduced to victim assessment techniques, artificial respiration and CPR. Students will have the opportunity to become a part of a student leadership organization called Health Occupation Students of America (HOSA). **Certification Test will cost \$20.00. This is a Technical Level Course in the Corrections, Security, and Law Enforcement Services Career Pathway.**

ACCOUNTING I & II

(7000 & 7002)

10, 11, 12

½ Elective Credit Each

The Accounting I (semester 1) course introduces the fundamental accounting principles and procedures used in businesses. Course content includes the full accounting cycle, debts, ledger, journal techniques, and periodic adjustments. Calculators, electronic spreadsheets and other automated tools are used. Accounting II (semester II) continues the study of introductory accounting principles begun in Accounting I and also covers introductory managerial accounting. Course content includes revenue recognition, inventory, payroll, taxes and depreciation. **This is a Technical Level course in the Corrections, Security, and Law Enforcement Services Career Pathway.**

WINDOWS APPLICATIONS

(7038)

10, 11, 12

½ Computer Credit

In Windows Applications, the student will demonstrate competencies in Microsoft Office 2013 – WORD, EXCEL, ACCESS and POWERPOINT. This software will give the student skills in word processing, spreadsheets, database management and presentations and will be very beneficial for college or the workplace. **This class fulfills one-half of the graduation requirements in computers. This is a Technical Level Course in the Corrections, Security, and Law Enforcement Services Career Pathway.**

LAW II

(6821/6850)

11, 12

1 Social Studies Elective Credit

Prerequisite: Law I

In this course the student will receive a complete picture of the American justice system and how it functions in state and local courts. Students will become familiar with laws and the importance of obeying them. Criminal law will be the main focus of the course. This course is designed in part to prepare students for admission to a university and transitions to the GCCC Criminal Justice Computer Applications and Criminal Investigation I. **This is an Application Level Course in the Corrections, Security, and Law Enforcement Services Career Pathway.**

CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE (CORRECTIONS, SECURITY, LAW, AND LAW ENFORCEMENT SERVICES)

(7591)

11, 12

½ Elective Credit

Junior or Senior students who have taken courses in the Corrections, Security, Law, and Law Enforcement Services pathway sequence may elect to participate in this capstone course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. **This is an Application Level course in the Corrections, Security, Law, and Law Enforcement Services career pathway.**

CSI (CLASSROOM SCIENCE INVESTIGATION)

(6604/6605)

11, 12

1 Science Credit

Prerequisite: Biology; have passed or currently enrolled in Law II

CSI will compliment Law II in conjunction with the Law Academy. Law II focuses on criminal justice and how differing law enforcement agencies work together to investigate and convict offenders. The CSI class will give a science aspect to the Law II curriculum. The student will conduct DNA analysis; AFIS fingerprinting, blood spatter, entomology, spatial recognition, and hair/fiber analysis. This is an application course in the Law, Public Safety Corrections & Security Pathway. **This is an Application Level Course in the Corrections, Security, and Law Enforcement Services Career Pathway.**

WORLD LANGUAGES

Students who plan to attend college after graduation are strongly encouraged to complete at least 2 years of study in one of the languages listed below. Many colleges now require that students complete a certain amount of foreign language course work before they may earn a degree, and some schools require a student to complete coursework before entering college. All foreign language classes are year-long.

FRENCH

BEGINNING FRENCH

(7600/7601)

10, 11, 12

1 Elective Credit

Beginning French is a fun and challenging class covering the basic structures and vocabulary of the French language. Students will read, write, speak and understand the French language and learn about the culture of France and French-speaking nations.

INTERMEDIATE FRENCH

(7602/7603)

10, 11, 12

1 Elective Credit

Prerequisite: French I

In this course, students will learn the intermediate structures and vocabulary of the French language, increase reading, writing, listening, and speaking skills, and learn more about Francophone culture.

ADVANCED FRENCH

(7604/7605)

11, 12

1 Elective Credit

Prerequisite: French I and II

A two-year course of study, this class combines advanced grammar, reading of instructional and authentic French novels and poetry, essay and other forms of writing, listening comprehension, verbal communication skills, and information on the history of France and current events in Francophone nations. **This course is an indexed course.**

SPANISH

Students with extensive background in Spanish, but who have not completed Spanish I, may enroll directly in Spanish 2 (native or non-native, according to their situation). If they complete Spanish 2 with an A or B and enroll in and complete Spanish 3, they may receive credit for Spanish I also, however the credit will not factor in to GPA or class rank.

SPANISH I FOR NON-NATIVE SPEAKERS

(7622/7623)

10, 11, 12

1 Elective Credit

This course is for students who have little or no Spanish speaking background. Emphasis is placed on listening, oral, reading and writing skills. Students will build vocabulary related to colors, foods, sports, family, and numbers; study grammar, with emphasis on present tense; and develop an understanding of the history and culture of the Spanish speaking world.

SPANISH I FOR NATIVE SPEAKERS

(7626/7627)

10, 11, 12

1 Elective Credit

Prerequisite: Speak and understand Spanish.

This course is for students who speak and understand Spanish, but do not know how to read or write it. Emphasis will be on reading and writing skills, vocabulary expansion, grammar, and the history/culture of the Spanish speaking world.

SPANISH II FOR NON-NATIVE SPEAKERS

(7624/7625)

10, 11, 12

1 Elective Credit

Prerequisite: Passing Spanish I for Non Native Speakers

This course develops skills which were learned in Spanish I. There is continued emphasis on grammar, vocabulary, reading, writing, and speaking Spanish, as well as the history/culture of the Spanish speaking world.

SPANISH II FOR NATIVE SPEAKERS

(7636/7637)

10, 11, 12

1 Elective Credit

Prerequisite: Passing Spanish I for Native Speakers OR demonstration of ability to read and write Spanish as well as speak and understand it.

This course continues emphasis on reading and writing, vocabulary, grammar, and speaking, as well as history/culture of the Spanish speaking world. The class will be conducted entirely in Spanish.

SPANISH III FOR NON-NATIVE SPEAKERS

(7645/7646)

10, 11, 12

1 Elective Credit

Prerequisite: Passing Spanish II for Non-Native Speakers

Spanish III for non-native speakers will continue to emphasize fluency in Spanish paying more attention to grammar, spelling, conversation, writing, and reading of Latin American and Spanish literary works. Class will be conducted mainly in Spanish and will use authentic video, audio and print materials.

SPANISH III FOR NATIVE SPEAKERS

(7628/7629)

10, 11, 12

1 Elective Credit

Prerequisite: Passing Spanish II for Native Speakers

Spanish III for native speakers will continue to emphasize fluency in Spanish paying more attention to grammar, spelling, conversation, writing, and reading of Latin American and Spanish literary works. Class will be conducted entirely in Spanish and will use authentic video, audio and print materials.

SPANISH IV FOR NON-NATIVE SPEAKERS (PRE-AP)

(7647/7648)

11, 12

1 Elective Credit

Prerequisite: Passing Spanish III for Non-Native Speakers

Spanish IV for non-native speakers seeks to polish and expand skills acquired in previous levels of Spanish and to develop skills that apply in many subject areas rather than any single subject matter. The study of culture and people of Spanish-speaking countries is also an important component. The class will be conducted entirely in Spanish and is intended as a transition for non-native students to AP Spanish Language and Culture and will focus on developing conversation and writing skills similar to those of native speakers. ***This course is an indexed course.***

AP SPANISH LANGUAGE AND CULTURE

(7630/7631)

11, 12

1 Elective Credit

Prerequisite: Passing Spanish III for Native Speakers or Spanish IV for Non-Native Speakers (Pre-AP)

The Advanced Placement Spanish Language course (Spanish IV) seeks to develop language skills - listening, speaking, writing and reading - that apply in many subject areas rather than any single subject matter. Further, this AP course will include the study of the culture and people of Spanish speaking countries. Students enrolled in AP Spanish Language and Culture will have the opportunity to take the AP Exam. The AP Exam can qualify students for college credit. Class will be conducted entirely in Spanish. ***This course is an indexed course.***

AP SPANISH LITERATURE AND CULTURE

(7632/7633)

11, 12

1 Elective Credit

Prerequisite: AP Spanish Language and Culture

The Advanced Placement Spanish Literature and Culture course (Spanish V) introduces students to representative texts (short stories, novels, poetry, plays, and essays) from Peninsular Spanish, Latin American, and U. S. Hispanic literature. Literature is explored within the contexts of its time and place, and students gain insights on the many voices, historical periods, and cultures. Students enrolled in AP Spanish Literature and Culture will have the opportunity to take the AP Exam. The AP Exam can qualify students for college credit. This course is an indexed course. Class will be conducted entirely in Spanish. ***This course is an indexed course.***

ADDITIONAL OPPORTUNITIES

ADVANCED CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE

(See Below) 12 ½ or 1 Fine Arts Credit

Senior students who have completed a work-based learning course in the following pathway sequences may elect to participate in this advanced workplace experience course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. ***This is an Application Level course in multiple Career Pathways.***

- Advanced Business Finance Workplace Experience (7598/7599)
- Advanced Comprehensive Agriculture Science Workplace Experience (7594/7595)
- Advanced Marketing Workplace Experience (7577/7578)
- Advanced Power, Structural, and Technical Systems Workplace Experience (7585/7586)

AVID

(7421F/7422F)-Freshmen; (7421S/7422S)-Sophomore; (7421J/7422J)-Junior; (7421R/7422R)-Senior 10, 11, 12 1 Elective Credit

Prerequisites: Application process, including standardized test scores, 2.5 or above GPA, good attendance and discipline, parental approval and support. Applications are available in the Career Center.

Advancement via Individual Determination is the core of the AVID program. AVID is a system for students who want to go to college AND want to prepare for college by enrolling in a more rigorous schedule and taking the AVID elective class each year. Students will participate in small group tutorials, learn to take and use Cornell Notes and apply organizational skills (in AVID classes and all classes), while taking part in college preparatory activities such as learning to research colleges and scholarships, write scholarship applications and essays, and make college visits. This elective provides learning strategies, resources and support to handle the increased academic demands of rigorous core classes required in the AVID program. AVID is a state, national and international college preparatory system.

AVID TUTOR

(7432/7433) 11, 12 1 Elective Credit

Prerequisites: 3.0 Cumulative GPA.

The AVID tutor works with the AVID elective teacher, AVID Coordinator, and other AVID tutors to facilitate AVID students in the inquiry process during tutorials. AVID tutors do not give students an answer to a difficult question; rather they use the inquiry process to help them problem solve. The AVID Tutor is required to attend 16 hours of tutor training which will be completed during class time. Students successfully completing the AVID Peer Tutor course will obtain a written letter of recommendation to college(s) of their choice and are eligible for AVID tutor positions while attending college. **AVID Tutors do NOT have to have experience in an AVID course.**

CAREER & TECHNICAL EDUCATION WORKPLACE EXPERIENCE

(See Below) 11, 12 ½ or 1 Fine Arts Credit

Junior or Senior students who have taken courses in the following pathway sequences may elect to participate in this capstone course. Students will be employed in a pathway-related position in the community. Skills developed in the sequence of previous and current pathway courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment. ***This is an Application Level course in multiple Career Pathways.***

- BioMedical Workplace Experience (7436/7437)
- Business Finance Workplace Experience (7596/7597)
- Comprehensive Agriculture Science Workplace Experience (7592/7593)
- Corrections, Security, Law, and Law Enforcement Services Workplace Experience (7591)
- Engineering & Applied Mathematics Workplace Experience (7589/7590)
- Graphic Design Workplace Experience (7045/7046)
- Health Science Workplace Experience (7587/7588)
- Information Support & Services (9141/9142)
- Manufacturing Workplace Experience (7581/7582)
- Marketing Workplace Experience (7579/7580)
- Power, Structural, and Technical Systems Workplace Experience (7583/7584)
- Restaurant and Event Management Workplace Experience (7438)

EARLY GRADUATION

(7306) 12

If seniors have met all requirements for graduation they may graduate at the end of their seventh semester. Students will not receive their diploma until the graduation ceremony at the end of the school year.

JAG-K (Jobs for America's Graduates- Kansas)

(7340S/7341S) – Sophomore; (7340J-7341J) – Junior; (7340R-7341R) - Senior 10, 11, 12 1 Elective Credit

Please Note: Students must be accepted into the JAG-K class by the JAG program before enrolling.

A career exploration and preparation program that provides a hands-on approach in exploring personal strengths and challenges as well as job attainment skills (cover letter, resume, job application, interviewing, etc.) and work place "survival" skills (interpersonal relations, team work, etc.). Students will work to build strengths in academic areas, time management, and communication. The individual and team project work will also help students come to an understanding of personality and temperament and the relationship between personal actions and consequences that follow. Students will make connections to their career interests, abilities, and aptitudes by determining their education and career goals through development of an Individual Career Development Plan. This full-year, credited course involves individual assignments, team activities/projects, academic remediation support, service learning opportunities, guest speakers, field trips, and career exploration through job shadowing and/or an internship. Students will also participate in the JAG-K Career Association in various activities focused on Career and Leadership Development, Service Learning, and Civic/Social Awareness.

JOB SHADOWING

(7349) 11, 12 ½ or 1 Elective Credit

Students will have the opportunity to experience what the professional workplace is like and gain relevant insight regarding how their skills relate to the career. Students will prepare a resume and cover letter and research the position that they will be shadowing. They will then spend the remaining class time shadowing professionals, completing reflection assignments and participating in career exploration/planning activities that will lead to a completed Plan of Study. Thirty hours of shadowing experience will be required. Students will be required to produce and present a synopsis of their experience after their shadowing experience has ended.

MIGRANT TUTORIAL

(8201) 10, 11, 12 ½ or 1 Elective Credit

Please Note: Counselor approval required.

This course is designed to provide additional support for qualified migrant students. The purpose of this course is to help students gain background knowledge needed to be successful in other classes. Students may also use the time to work on projects and assignment. It is a one semester class, but can be repeated with instructor permission.

OFFICE/TEACHER AIDE

(7311/7312) 11, 12 ½ or 1 Elective Credit

Prerequisite: Minimum of 12 Credits Earned, Good Attendance, at least 2.5 GPA and Counselor Permission and no discipline or attendance issues

Students may enroll in one hour of Office/Teacher Aide each semester. Aides are under the direct supervision of the instructor/office staff at all times. Job descriptions, expectations and objectives will be developed for each position by the instructor/office staff. Students may earn 1 total elective credit (pass/fail) as an office/department aide.

PEER LEADERSHIP

(7347) 10, 11, 12 ½ Elective Credit

Prerequisite: Teacher approval required.

This class works in conjunction with the Buffalo Coffee Shop. It is a peer mentoring program where students with special needs will work alongside their general education peers as they learn to achieve and/or apply technical skills in a job setting. Instruction varies with students and their needs. Students will be helping their peers gain skills necessary for independent functioning and living. The class will focus on career related skills, social skills, relationships and effectiveness in work world. Students will be involved in philanthropic efforts as the Buffalo Coffee Shop does many community fundraisers.

STUDENT LEADERSHIP CLASS

(7313/7314) 10, 11, 12 1 Elective Credit

Prerequisite: Must be accepted by application process to Student Council, applications available in the Career Center

This is a course designed to help students explore various approaches to leadership and develop the skills necessary to successfully organize and carry out events within the school and community. Members of this class serve on the GCHS Student Council, which is a KSHSAA activity requiring extra hours of service outside of class time. Students interested in joining this class must get an application from their counselor or academy office and submit it by the deadline. Students will be notified about whether they have been selected for Student Council membership before the end of the current school year.

WORK-BASED LEARNING

(8586/8587) 11, 12 ½ or 1 Fine Arts Credit

Junior or Senior students who have taken courses in the Business/Finance Pathway sequence may elect to participate in this capstone course. Students will be employed in a digital or computer-related position in the community. Skills developed in the sequence of previous and current computer courses will be utilized in performing the duties of their work. An application form should be obtained from the work-place experience coordinator in the Career Center during pre-enrollment. This application form must be completed and returned to the coordinator during enrollment.

DUAL-CREDIT INFORMATION

Garden City High School is proud to partner with Garden City Community College to offer dual-credit courses and programs for students interested in pursuing post-secondary education while still enrolled in high school. Students have the opportunity to pursue technical programs that lead to industry recognized credentials as well as courses that lead to a degree and offer transferability to 4-year institutions.

If you plan to pursue a Bachelor's Degree in the state of Kansas, you will want to be aware of two course designations that affect transferability:

- ► **Systemwide Transfer:** A student who completes these courses at any Kansas public community college, technical college, or university can be certain that he or she can transfer that course to any other public institution in Kansas offering an equivalent course.
- ≡ **Systemwide General Education:** A student who meets all of the requirements of the framework at any Kansas public community college, technical college, or university can be certain that he or she can transfer to any other public institution in Kansas with all of their general education requirements fulfilled.

The ► and ≡ symbols located next to the Garden City Community College course titles on the following pages indicate whether the course is approved for systemwide transfer or systemwide general education.

If you plan to transfer to pursue a Bachelor's Degree outside of the state of Kansas, it can still be beneficial to take dual-credit courses in high school. Speak to the institution you plan to attend prior to enrolling to determine whether-or-not the course you complete will transfer to your intended institution.

Garden City Community College offers more courses to high school students than those listed on the following pages. If you would like to enroll in a GCCC courses that is not listed in this section, you must communicate with your academy counselor prior to enrolling in the GCCC course to determine if high school credit is also available.

Dual-credit course availability is contingent on multiple factors between both Garden City High School and Garden City Community College. While both entities strive to provide these opportunities each year, dual-credit course availability is not guaranteed.

DUAL-CREDIT SYSTEMWIDE GENERAL EDUCATION COURSES	
<p>COMMUNICATIONS 3 Credit Hours Required</p> <ul style="list-style-type: none"> • ► PUBLIC SPEAKING (GCCC COMM-101) 	<p>NATURAL & PHYSICAL SCIENCES 4-5 Credit Hours Required, must include a lab</p> <ul style="list-style-type: none"> • ► GENERAL BIOLOGY (GCCC BIOL-105)
<p>ENGLISH 6 Credit Hours Required</p> <ul style="list-style-type: none"> • ► ENGLISH I (GCCC ENGL-101) • ► English II (GCCC ENGL-102) 	<p>SOCIAL & BEHAVIORAL SCIENCES 6 Credit Hours Required in at least 2 subject areas</p> <ul style="list-style-type: none"> • ► AMERICAN GOVERNMENT (GCCC POLS-105) • ► GENERAL PSYCHOLOGY (GCCC PSYC-101) • ► INTRO. TO SOCIOLOGY (GCCC SOCI-102)
<p>ARTS & HUMANITIES 6 Credit Hours Required in at least 2 subject areas</p> <ul style="list-style-type: none"> • ► ART APPRECIATION (ARTS-120) • ► INTRO. TO MASS COMMUNICATION (COMM-120) • ► AMERICAN HISTORY TO 1877 (HIST-103) • ► AMERICAN HISTORY SINCE 1877 (HIST-104) • ► MUSIC HISTORY & APPRECIATION (MUSC-108) • ► CREATIVE WRITING (ENGL-240) 	<p>MATHEMATICS & STATISTICS 3 Credit Hours Required</p> <ul style="list-style-type: none"> • ► COLLEGE ALGEBRA (MATH-108) • ► PLANE TRIGONOMETRY (MATH-109) • ► FUNDAMENTALS OF STATISTICS (MATH-110) • ► CALCULUS & ANALYTIC GEOMETRY (MATH-122)
<p>GCCC DESIGNATED DIVERSITY 3 Credit Hours Required</p> <ul style="list-style-type: none"> • ► ART APPRECIATION (ARTS-120) • ► INTRO. TO SOCIOLOGY (SOCI-102) • ► CREATIVE WRITING (ENGL-240) 	<p>GCCC DESIGNATED SOCIAL RESPONSIBILITY 3 Credit Hours Required</p> <ul style="list-style-type: none"> • ► INTRO. TO MASS COMMUNICATION (COMM-120) • ► BASIC NUTRITION (HPER-115)

GARDEN CITY COMMUNITY COLLEGE DUAL-CREDIT COURSE DESCRIPTIONS

ACCOUNTING

ACCOUNTING I ►

(GCCC: ACCT-102; GCHS: 9613)

Accounting I is a continuation of the study of accounting principles presented in Accounting Basics and examines the Balance Sheet accounts with particular Course on controlling the assets and liabilities of a business. Special journals, subsidiary ledgers, merchandising transactions, inventories, receivables, fixed assets, depreciation and disposal of assets are emphasized. The business financial reports (Balance Sheet, Income Statement, and Statement of Owners Equity) are analyzed to see how a change in one of the reports will affect the others.

11, 12

½ Elective Credit

3 GCCC Credit Hours

ACCOUNTING II ►

(GCCC: ACCT-103; GCHS: 9612)

Prerequisite: Accounting I with a grade of C or better or permission of instructor.

Accounting II is a course designed to give students an opportunity to continue their study of the accounting principles as they apply to business. Particular attention is given to accounting as it applies to corporations. Included in Accounting II are opening the corporation books, issuance of stock, distribution of earnings, buying and selling stocks and bonds, and cash flows.

11, 12

½ Elective Credit

3 GCCC Credit Hours

AGRI-ECONOMICS

INTRODUCTION TO AGRICULTURAL ECONOMICS

(GCCC: AGECE-100; GCHS: 9673)

This course studies the contribution of the agricultural sector to the national economy. The course also covers production and consumption, supply and demand elasticity, and marketing and budgeting of agricultural products and enterprises.

11, 12

½ Elective Credit

3 GCCC Credit Hours

FARM MANAGEMENT

(GCCC: AGECE-102; GCHS: 9674)

This course studies the functions and activities of management in the organization and control of farm and ranch resources. Activities of management emphasized are taxes, land and capital acquisition, labor management, and estate planning. An accounting background is helpful but not required.

11, 12

½ Elective Credit

3 GCCC Credit Hours

ART

ART APPRECIATION ► ≡

(GCCC: ARTS-120; GCHS: 9638)

This is a general course designed to acquaint the student with the values and fundamentals of the visual arts. Course is given to the principles and elements of design, color, composition and the importance of developing discriminating judgment and appreciation. This course counts as a Humanities and Fine Arts credit which is required for most GCCC degree programs.

11, 12

½ Elective Credit

3 GCCC Credit Hours

AUTOMOTIVE TECHNOLOGY

AUTO SAFETY & SHOP PRACTICES

(GCCC: AUTO-151; GCHS:9572)

This course introduces the student to basic and industry specific safety skills in an ongoing education. Topics include PPE (Personal Protective Equipment), first aid, dress code and safety implications, MSDS (Material Safety Data Sheets) procedures of handling dangerous materials, SP2 (Pollution Prevention and Environmental Safety, and shop safety), fire safety, intro to hand tools, intro to power equipment, safety using hand tools, safety using power equipment, OSHA 10 safety course (certificate after successful completion), shop management system and parts system introduction. As other equipment or tools are introduced, additional safety procedures will be covered. No student will be allowed to operate or be in operating machines until he/she has successfully completed the initial safety test with at least 100% accuracy. Students are expected to observe and comply with all safety rules and regulations.

11, 12

½ Elective Credit

5 GCCC Credit Hours

BRAKES

(GCCC: AUTO-1073; GCHS:9572)

In this course students complete service work orders; determine appropriate system pressure tests utilizing service specifications; determine brake system concerns and necessary actions; diagnose poor stopping, pulling or dragging concerns caused by malfunctions in the hydraulic system; determine how to inspect, fabricate and/or replace brake lines and hoses; determine the service specifications pertaining to the removal, cleaning and refinishing procedures on brake drums; apply drum brake repair and replacement procedures; diagnose poor-stopping noise vibration, pulling, grabbing, dragging or pedal pulsation concerns on disc-brake vehicles; determine disc brake repair and replacement procedures; determine how to caliper piston retractions; diagnose wheel-bearing noise, wheel shimmy and vibration concerns; determine how to remove, inspect and replace bearing and hub assemblies through a variety of classroom and lab/shop learning and assessment activities. Course offered fall semesters.

11, 12

½ Elective Credit

3 GCCC Credit Hours

BRAKES LAB

(GCCC: AUTO-107L; GCHS:9572)

In this course students apply knowledge learned in the Brakes (AUTO-1073) course. Students complete service work orders; determine appropriate system-pressure tests utilizing service specifications; determine brake system concerns and necessary actions; diagnose poor stopping, pulling or dragging concerns caused by malfunctions in the hydraulic system; determine how to inspect, fabricate and/or replace brake lines and hoses; determine the service specifications pertaining to the removal, cleaning and refinishing procedures on brake drums; apply drum brake repair and replacement procedures; diagnose poor stopping noise vibration, pulling, grabbing, dragging or pedal pulsation concerns on disc-brake vehicles; determine disc brake repair and replacement procedures; determine how to caliper piston retractions; diagnose wheel bearing noise, wheel shimmy and vibration concerns; determine how to remove, inspect and replace bearing and hub assemblies through a variety of classroom and lab/shop learning and assessment activities.

11, 12

No GCHS Credit

2 GCCC Credit Hours

BIOLOGY & LIFE SCIENCES

GENERAL BIOLOGY ► ≡

(GCCC: BIOL-105 GCHS:9559)

This is an introductory course dealing with the nature of life. Course concepts include simple chemistry, cells, cell processes, DNA processes, inheritance, plants, animals, reproduction and development. The course is for non-majors seeking a lab science. Course offered fall and spring semesters.

12

½ GCHS Credit
4 GCCC Credit Hours

BUSINESS ADMINISTRATION

MARKETING

(GCCC: BSAD-123; GCHS:9675)

This course surveys the distribution and flow of goods and services from producers and sellers to consumers and buyers as well as the movement of commodities through various marketing channels. Marketing is the study of the process of creating, distributing, promoting, and pricing goods, services, and ideas to facilitate satisfying exchange relationships with customers in a dynamic environment. Major areas of study involve marketing and its environment, buyer behavior and target market selection, product decisions, distribution decisions, promotion decisions, pricing decisions and the implementation and effect of electronic marketing. Students should check with their advisor for transferability.

11, 12

½ Elective Credit
3 GCCC Credit Hours

CARPENTRY

Students must be on track to graduate to enroll in the carpentry courses. All carpentry courses must be taken concurrently, CNTR-100, 110, and 120 in 1st semester and CNTR-130, 140, and 150 in 2nd semester). The carpentry courses meet from 12:30-3:30 daily on the GCCC campus. Students will earn 1 ½ GCHS elective credits per semester, after successful completion of all carpentry courses, students will earn 18 credits from Garden City Community College.

SAFETY AND ORIENTATION

(GCCC: CNTR-100; GCHS: 9672)

This course will introduce the student to the basic safety, math, and tools used in the construction trade. This course will also expose the student to some of the technical, communication and employability skills required for a successful career in the trade.

11, 12

1 GCCC Credit Hours

INTRODUCTORY CRAFT SKILLS

(GCCC: CNTR-110; GCHS: 9672)

This course introduces the student to the basic safety, math, and tools used in the construction trade. This course also exposes the student to some of the technical, communication (written, oral, visual) and employability skills required for a successful career in the trade.

11, 12

3 GCCC Credit Hours

CARPENTRY BASICS

(GCCC: CNTR-120; GCHS: 9672)

This course introduces the student to the basic elements of the construction industry including the history and current state of the industry, career opportunities and requirements, basic safety, basic construction materials and tools, and construction plans and evaluations.

11, 12

4 GCCC Credit Hours

FLOORS, WALLS, AND CEILING FRAMING

(GCCC: CNTR-130; GCHS: 9677)

This course introduces the student to the construction building fundamentals for framing wood and metal floor systems, walls, and ceilings. This course introduces the student to the construction building fundamentals for framing wood and metal floor systems, walls, and ceilings.

11, 12

4 GCCC Credit Hours

ROOF AND FRAMING

(GCCC: CNTR-140; GCHS: 9677)

This course introduces the student to the fundamentals of roof framing including gable and hip roof systems. This course covers materials, methods for calculating rafter length and angles, and proper use of framing.

11, 12

3 GCCC Credit Hours

WINDOWS, DOORS, AND STAIRS

(GCCC: CNTR-150; GCHS: 9677)

This course introduces students to the fundamentals of window, door, and stair construction, installation, and layout for all carpenters. Course offered spring semesters.

11, 12

3 GCCC Credit Hours

COMMUNICATION

PUBLIC SPEAKING ► ≡

(GCCC: COMM-101; GCHS: 9526)

This course includes the study of the fundamentals of communication and the composition, organization, and delivery of original speeches. Four to seven speeches, delivered to a live synchronous audience of at least five appropriate persons, are required throughout the semester. This course meets the speech requirement for transfer programs and is performance based with appropriate assignments included. Course offered fall and spring semesters.

11, 12

½ Oral Comm. Credit
3 GCCC Credit Hours

INTRODUCTION TO MASS COMMUNICATIONS ► ≡

(GCCC: COMM-120; GCHS: 9676)

This course is designed to provide students with a comprehensive understanding of the field of mass communication and its various applications in contemporary society. The course includes an overview of the field and a discussion of the mass media industries and the consequences of media messages on individuals, society, and culture. Course offered fall and spring semesters.

10, 11, 12

½ Oral Comm. Credit
3 GCCC Credit Hours

COSMETOLOGY

MANICURING

(GCCC: COSM-109; GCHS: 9136)

12

1 ½ Elective Credits
10 GCCC Credit Hours

Note: Students must be on track to graduate to enroll in this course

This course includes discovering and discussion of scientific concepts regarding the nails, skin, muscles, and nerves. Additionally, the students will learn specific techniques and regulations pertaining to the requirements for sanitation and bloodborne pathogens, business practices, and state laws/regulations. Other hands-on skills that are taught include the purpose and effect of *onychology, as well as all equipment used for *onychology. The course requires students to spend 350 clock hours and will prepare students to take the Kansas Board of Cosmetology written and practical exams. This class meets from 12:30-5:30pm daily on the GCCC campus and may require some Saturday or evening commitments. This course has strict appearance, dress, and hygiene requirements.

CRIMINAL JUSTICE

CRIMINAL INVESTIGATION

(GCCC: CRIM-111; GCHS: 9524)

12

½ Elective Credits
3 GCCC Credit Hours

This course is designed to exam the methods, techniques, tools and precepts employed by the criminal investigator including the identity and nature of evidence, its preservation and effective use. Police report writing and crime scene investigation including a variety of documentation techniques, investigative follow up and documentation is emphasized. Course offered fall and spring semesters.

COMPUTER SCIENCE

INTRODUCTION TO PROGRAMMING

(GCCC: CSCI-102; 9090)

11, 12

½ Computer Credit
3 GCCC Credit Hours

This course is recommended for computer science majors. It covers the basic logic required to design and develop good logical computer programs. Course topics include hardware and software configurations as well as the concepts of program logic, top down design, and structured programs. This course may be taken concurrently with Introduction to Management Information Systems. Course offered fall semesters.

INTRODUCTION TO COMPUTER CONCEPTS & APPLICATIONS

(GCCC: CSCI-110; GCHS: 7022/7023)

10, 11, 12

½ Computer Credit
3 GCCC Credit Hours

To successfully complete the course, a student should have demonstrated keyboarding skills. This course introduces the basics of computer usage for Internet, email, word processing, spreadsheet, database, and presentation software programs. This first course provides information to the non-computer user and familiarizes the student with the basics of computer usage. Successful completion of this course will enable the student to continue studying the advanced features of the studied software. This course may be repeated for additional credits as software use changes. Course offered fall and spring semesters. **This course is an indexed course. This is a Technical Level course in the Web & Digital Communications Career Pathway.**

EARLY CHILDHOOD EDUCATION

EARLY CHILDHOOD EDUCATION & OBSERVATION

(GCCC: ECHD-105 & EDUC-1062; GCHS: 9564)

12

1 Elective Credit
5 GCCC Credit Hours

Prerequisite: Foundations to Early Childhood Development.

Early Childhood Education examines the foundational concepts for early childhood education. Students will learn the history of early childhood education, including the theory and methods for educating young children as they developed over time. Students will also learn about the NAEYC standards, theories and practices for child development and learning, and the significance of the role of the early child educators. This course provides students with an initial opportunity to observe teachers at different levels of the American PreK-12 Education system. This course focuses on evaluating different methods of instruction and classroom management in order to prepare students in the course for future studies in the field of education **Attendance is required and closely monitored. Students will be representing Garden City High School and are expected to be professional in dress and conduct. This is an Application Level course in the Early Childhood Development & Services Career Pathway.**

EDUCATION

EXPLORING TEACHING & OBSERVATION

(GCCC: EDUC-105 & EDUC-1062; GCHS: 9563)

12

1 Elective Credit
5 GCCC Credit Hours

Prerequisite: Teaching as a Career

Please note: College Credit may be available, fees may apply.

This course acquaints students with the American public school system. It examines various motivations for teaching, timely information on salaries, and opportunities for employment. Instruction focuses on the philosophy of education, the history of American education and the dynamics of school life including curriculum content; social issues that affect education; how schools are governed, controlled and financed; legal and ethical issues that face teachers; expectations; and professionalism. This course provides students with an initial opportunity to observe teachers at different levels of the American PreK-12 Education system. This course focuses on evaluating different methods of instruction and classroom management in order to prepare students in the course for future studies in the field of education. Students must provide their own transportation to and from the school work site. **Attendance is required and closely monitored. Students will be representing Garden City High School and are expected to be professional in dress and conduct. This is an Application Level course in the Teaching Training Career Pathway.**

EMERGENCY MEDICAL SERVICES

EMERGENCY FIRST RESPONDER (EMR)

11, 12

1 Elective Credit
6 GCCC Credit Hours

(GCCC: EMIC-107; GCHS: 9642)

Prerequisites: Documented reading level of 9th grade or higher on the Nelson Denny Assessment as determined by GCCC. Participating students must be 17 by the end of the semester in which they are enrolled in First Responder.

This course is designed to provide training in emergency medical care for those who are apt to be the first persons responding to an emergency incident. Students will be taught the basics of emergency recognition and management on a Basic Life Support level. Students will learn skills associated with rapid assessment, stabilization and transfer of both the trauma victim and those suffering a medical emergency. This course will prepare students for Emergency Medical Technician coursework, Fire Science, or other Allied Health fields. **Required: Clinicals will be scheduled on some Saturdays and evenings.** Please note: this is a double-blocked class so it will take up two elective hours in the student's schedule. Students will attend class on the GCCC campus.

EMERGENCY MEDICAL TECHNICIAN (EMT)

11, 12

2 Elective Credits
12 GCCC Credit Hours

(GCCC: EMIC-108; GCHS: 9618)

This basic course in emergency medical care includes lectures, videos and practical application. Students who complete this course will have the ability to offer emergency care to victims of medical crisis or traumatic injury. Successful completion of this course makes students eligible to become Nationally and State certified after successfully challenging the certification exam.

ENGLISH/LITERATURE

ENGLISH I ► ≡

12

½ Language Arts Credit
3 GCCC Credit Hours

(GCCC: ENGL-101; GCHS: 9112)

Prerequisite: Qualifying scores on Accuplacer Test or ACT English & Reading

In this course students practice expressive and expository writing. Students refine skills in diction, sentence structure, organization and development of ideas, grammar and mechanics, and critical thinking. A minimum grade of C or higher required to enroll in English II.

ENGLISH II ► ≡

12

½ Language Arts Credit
3 GCCC Credit Hours

(GCCC: ENGL-102; GCHS: 9085)

Prerequisite: Must earn a C in GCCC English I

The objective of the course is to amplify and apply writing principles learned in English I and to study and apply writing principles related to persuasion/ argumentation, research and documentation. A research paper is required and a minimum grade of C is required to pass the course.

CREATIVE WRITING ►

11, 12

½ Elective Credit
3 GCCC Credit Hours

(GCCC: ENGL-240; GCHS: 9088)

Please Note: This course counts as general elective credit only.

Students have frequent practical opportunities to develop skills in creative writing through the development, organization, preparation, and composition of various pieces. This course allows students to study imaginative writing with particular emphasis on poetry, the short story, and other genres. This course counts as a Humanities and Fine Arts credit which is required for most GCCC degree programs.

FIRE SCIENCE

FIREFIGHTER I

11, 12

1 Elective Credit
6 GCCC Credit Hours

(GCCC: FIRE-101; GCHS:9668)

Suggested Prerequisite: Introduction to Law, Public Safety & Security and First Aid/CPR/EMR

Please Note: This class will be double-blocked to take two class periods each day. This course requires GCCC fees for 6 credit hours.

The course covers technical/special operations relating to fire ground operations and prevention activities. The prime objective of this course is to train fire fighters on safety and how to avoid problems on and off the fire ground. Students will receive a solid foundation of classroom and hands-on training reinforced by realistic and challenging exercises including: hazardous materials awareness, safety, fire behavior, building construction, protective clothing and SCBA, team skill performances and how to operate as a part of a team. Upon successful completion of this course, students will be able to apply for IFSAC certification through Kansas Fire and Rescue Training Institute. Effective 1 January 2009 Hazardous Materials Operations Level will be required for FF-1 certification.

FIREFIGHTER II

11, 12

½ Elective Credit
4 GCCC Credit Hours

(GCCC: FIRE-102; GCHS: 9669)

Prerequisite: Firefighter I

Please Note: This class will be double-blocked to take two class periods each day. This course requires GCCC fees for 4 credit hours.

The course covers technical/special operations relating to fire ground operations and prevention activities. Students will receive a solid foundation of classroom and hands-on training reinforced by realistic and challenging exercises in various fire ground operations including: hazardous materials operations; incident management systems, building construction and collapse; rescue and extrication and special rescue situations; hose, tools and appliances; ignitable liquid and flammable gas control; and foam fire streams. They will also understand fire pump theory; hydrant flow and operability; fire detection, alarm and suppression systems; fire cause and origin; radio communication and incident reports; and pre-incident survey. Upon successful completion of this course, students will be able to apply for IFSAC certification through Kansas Fire and Rescue Training Institute.

HEALTH

CERTIFIED NURSE AIDE (CNA)

(GCCC: HELR-102; GCHS: 9634/9635)

11, 12

½ Elective Credit
6 GCCC Credit Hours

Prerequisite: Documented passing score of Nelson Denny Assessment as determined by GCCC. Participating students must be 16 years old prior to enrollment.

Fee: GCCC tuition and fees are a part of this dual credit course; students must pay for and complete TB test/paperwork

The CNA course includes both online class work and lab/clinical experience to prepare the paraprofessional health worker to provide patient care in an adult care home. The course includes basic knowledge and skills necessary to help meet the psychosocial, physical and environmental needs of the elderly patient. The geriatric care assistant is prepared to give patient care under the supervision of a registered nurse, licensed practical nurse or physician. The course will qualify the student to take the Kansas Department of Health and Environment Geriatric Aide certification examination. After successful completion of the certification examination, the geriatric care assistant/certified nurse aide is qualified for employment in nursing homes as well as other health care facilities. **Required: Labs and clinicals may take place during school hours and possibly some Saturdays. Students enrolled in this course are required to follow the detailed attendance policies as outlined by the State of Kansas, GCCC and GCHS.** Please note: scheduling of this class and its labs/clinical is set by GCCC and may change in format each semester. Space is limited to twenty students per semester. Students will attend class on the GCHS campus but will attend labs/clinical off-campus per GCCC directions. **GCCC may require enrollment in Medical Terminology as part of this course. This is an Application Level Course in the Health Science Career Pathway. This course is an indexed course.**

BASIC NUTRITION ► ≡

(GCCC: HPER-115; GCHS: 9621)

10, 11, 12

½ Elective Credit
3 GCCC Credit Hours

This course is the study of nutritional requirements of man with an emphasis on developing judgment in the selection of foods. The course will also include the study of specific nutritional requirements for special groups of individuals in order to maintain life and health. This course counts as a Personal Wellness credit which is required for all GCCC degree programs. **This course is an indexed course.**

HISTORY

AMERICAN HISTORY TO 1877 ► ≡

(GCCC: HIST-103; GCHS: 9570)

11, 12

1 Social Studies Credit
3 GCCC Credit Hours

This course covers the American experience from the precolonial era through the Civil War. It is comprehensive in nature, covering the political, economic, social, and cultural history of those groups who have come together to make this nation. This course counts as a Humanities and Fine Arts credit which is required for most GCCC degree programs. **This course is an indexed course.**

AMERICAN HISTORY FROM 1877 ► ≡

(GCCC: HIST-104; GCHS: 9571)

11, 12

1 Social Studies Credit
3 GCCC Credit Hours

This course covers American history from the end of Reconstruction to the late twenty-first century. The subjects covered include the effects of Reconstruction, the westward expansion, the Gilded Age, the Progressive era, World War I, the Great Depression, World War II, the Cold War, the Vietnam era, to the present-day. It is suggested, but not required, that the student complete American History to 1877 before taking American History Since 1877. This course counts as a Humanities and Fine Arts credit which is required for most GCCC degree programs. **This course is an indexed course.**

INDUSTRIAL MACHINE MECHANIC

INDUSTRIAL MACHINE MECHANIC

(GCCC: INPR-101, -114, -131, -132, -185; GCHS: S1: 5-9681, 6-9502, 7-7303; S2: 5-9679, 6-9680, 7-7304)

11, 12

2 Elective Credits (1/semester)
12 GCCC Credit Hours

Note: Students must be on track to graduate to enroll in this course

This course is comprised of the following GCCC courses: Safety and Core Curriculum, Blueprint Reading, Basic Electricity, and Industrial Wiring. This course will also expose the student to some of the technical, communication and employability skills required for a successful career in the industrial maintenance field. The Industrial Maintenance course meets from 12:30-3:30 daily on the GCCC campus. After successful completion of this course, students will earn 12 credits from Garden City Community College.

Industrial Machine Mechanic Course Descriptions:

Basic Electricity: This course covers the theory of electricity which includes electron theory, magnetism, basic physical laws, resistance, alternating current (AC), and direct current (DC), simple electrical instruments, series, and parallel circuits. Circuits are constructed during laboratory exercises and tested to emphasize concepts. This course also introduces students to basic electrical components and their characteristics, circuit schematics and basic analysis of series and parallel AC and DC circuits. Hands-on labs help guide student learners to assimilate material.

OSHA-10: This 10-hour General Industry Outreach Training Program is intended to provide an entry-level general industry worker's broad awareness on recognizing and preventing hazards on a general industry site. Students are introduced to OSHA policies, procedures, and standards as well as general industry safety and health principles and work practices covered in OSHA Act Part 1910. Special emphasis is placed on areas most hazardous using OSHA standards as a guide. General industry workers must receive additional training, when required by OSHA standards, on specific hazards of the job. Upon successful completion of the course, participants receive an OSHA 10-hour General Industry Outreach DOL course completion card.

Shop Operations: This introductory level course contains nine modules that are designed to instruct students in the basic skills necessary to all occupations in the Construction, Manufacturing, and Transportation areas. The lecture/lab course also introduces the student to form and function of shop operations for safety, tools, fasteners, and layouts used in the shop by industrial maintenance craftworkers. This course will also expose the student to some of the technical, communication (written, oral, visual) and employability skills required for a successful career in the trades. Module 1 aligns with the curriculum within the OSHA 10-hour program.

Electro-Mechanical Print Reading: This is an introductory level course to provide students with the knowledge and ability to interpret the lines, symbols, and conventions of blueprints from a variety of industrial applications. This course is designed to develop advanced technical communication skills used to interpret manufacturing production drawings as related to manufacturing occupations including blueprints, schematics, and other trade prints.

Industrial Wiring: This course introduces students to the specific skills needed to wire industrial machines and devices. Students will calculate the size of electrical loads and determine wiring applications for branch circuits. Wiring AC circuits will include the wiring of industrial device such as transformers, relays, and timers. This course also covers wiring installation and connection for conductor termination and splices; use of cable pulling instruments; installation of electrical service and electrical protection components and equipment; use of material take-off methods and troubleshooting techniques; identification of ratings for circuit breakers and fuses; regulations for sizing and installation of relay switches, conductors, overrides, and application.

MATHEMATICS

INTERMEDIATE ALGEBRA ►

(GCCC: MATH-107; GCHS: 9535)

This course develops the concepts of algebra to prepare a student for a college level algebra course. Intermediate Algebra includes the study of the computations and properties of real numbers and sets; arithmetic and algebraic manipulation of quadratics, rational expressions, expressions containing rational exponents, radicals, complex numbers, and functions; solving linear equations and inequalities, systems of linear equations, quadratic equations, and absolute value equations and inequalities; graphing and analysis of linear equations and inequalities; quadratic functions, and systems of linear equations; polynomial division; advanced factoring techniques; appropriate application problems, and graphing calculator skills to be integrated throughout the course.

11, 12

½ Math Credit
3 GCCC Credit Hours

COLLEGE ALGEBRA ► ≡

(GCCC: MATH-108; GCHS: 9647/9648)

This course is a foundation course for advanced study in mathematics, business, and the sciences. It requires adequate mastery of basic algebraic manipulations. This course is a survey of topics including functions and their graphs, polynomials and rational functions, logarithms and exponential functions and systems of equations. Students are required to use graphing calculators.

11, 12

½ Math Credit
3 GCCC Credit Hours

PLANE TRIGONOMETRY ► ≡

(GCCC: MATH-109; GCHS: 9108)

This course is the study of trigonometric functions; including the evaluation of trigonometric functions, the manipulation of identities, the graphs of trigonometric functions, the solutions of triangles and trigonometric equations. *This course is an indexed course.*

12

½ Math Credit
3 GCCC Credit Hours

FUNDAMENTALS OF STATISTICS ► ≡

(GCCC: MATH-110; GCHS: 9600)

This course is the study of the methods in mathematics used for statistical decision making. It includes a basic introduction to descriptive and inferential statistics. Some applications to biology, business, industry and psychology are covered. The objectives of the course include the applications of statistical inference to contemporary problem solving.

12

½ Math Credit
3 GCCC Credit Hours

CALCULUS AND ANALYTICAL GEOMETRY ► ≡

(GCCC: MATH-122; GCHS: 9602)

Prerequisite: *Qualifying score on Accuplacer test or ACT Math.*

Required Material: *Graphing Calculator (TI83, 84, 85, 86 or 89)*

The topics include differentiation and integration of algebraic and transcendental functions and applications of differentiation and integration. *This course is an indexed course.*

12

½ Math Credit
3 GCCC Credit Hours

MUSIC

MUSIC HISTORY AND APPRECIATION ► ≡

(GCCC: MUSC-108; GCHS: 9632)

This course is a historical survey of cultural trends and characteristics from Pre-Christian times to the 20th century. Historical styles are examined to help develop the student's understanding of music and the Arts. This course counts as a Humanities and Fine Arts credit which is required for most GCCC degree programs.

10, 11, 12

½ Elective Credit
3 GCCC Credit Hours

PHYSICAL SCIENCE

ENGINEERING PHYSICS II ►

(GCCC: PHYS-208; GCHS: 9685)

Topics studied include mechanical waves, electricity and magnetism, and light and optics, relativity, quantum mechanics, and atomic and nuclear physics. Three hours lecture/four hours laboratory per week.

12

½ Elective Credit
5 GCCC Credit Hours

POLITICAL SCIENCE

AMERICAN GOVERNMENT ► ≡

(GCCC: POLS-105; GCHS: 9100)

This course gives attention to the constitutional principles and organization of the national government. Special emphasis is given to the development of the constitution and the organization of the three branches of the federal government. The course explains the role politics plays in everyday life. The course promotes the concept of critical thinking to better understand the process of decision making in the political landscape. *This course is an indexed course.*

12

½ Social Studies Credit
3 GCCC Credit Hours

PSYCHOLOGY

GENERAL PSYCHOLOGY ► ≡

(GCCC: PSYC-101; GCHS: 9095)

This course presents an overview of psychology including the study of the brain and behavior, states of consciousness, motivation and emotion, sensation and perception, learning, principles, memory and thought, human interaction, human development, theories of personality, disturbance and treatment. Reading and writing skills commensurate with eligibility for concurrent enrollment in English I is strongly recommended. *This course is an indexed course.*

11, 12

½ Social Studies Elective Credit
3 GCCC Credit Hours

ROBOTICS & MECHATRONICS TECHNOLOGY

BASIC ELECTRONICS

(GCCC: ROBT-100; GCHS: 9507)

11, 12

1/2 Elective Credit

4 GCCC Credit Hours

This course covers the theory of electricity which includes basic electron theory, magnetism, basic physical laws, resistance, alternating current (AC) and direct current (DC), simple electrical instruments, and series and parallel circuits. Circuits are constructed during laboratory exercises and tested to emphasize concepts. This course also introduces students to basic electrical and components and their characteristics, circuit schematics and basic analysis of series and parallel AC and DC circuits. Hands-on labs help student learners to assimilate this material. ***This is an Application Level course in the Engineering & Applied Mathematics Career Pathway.***

AUTOMATED SYSTEMS AND ROBOTICS

(GCCC: ROBT-130; GCHS: 9150)

11, 12

1/2 Elective Credit

4 GCCC Credit Hours

The introductory level class prepares individuals to operate industrial robots and other industry 4.0 technologies in a modern production environment. Students learn to set up industrial robots and end-effectors, create test points, and design simple robot programs for different applications. Ethernet and network communication of robotics will also be discussed. ***This is an Application Level course in the Engineering & Applied Mathematics Career Pathway.***

SOCIOLOGY

INTRODUCTION TO SOCIOLOGY ► ≡

(GCCC: SOCI-102; GCHS: 9102)

11, 12

1/2 Social Studies Elective Credit

3 GCCC Credit Hours

This course introduces the study of the social lives of people. It combines theory and application in the study of family, government, deviance, collective behavior, and other topics. Reading and writing skills commensurate with eligibility for concurrent enrollment in English I is strongly recommended. ***This course is an indexed course.***

WELDING

INTRODUCTION TO AWS WELDING

(GCCC: WELD-110; GCHS: 9667)

12

1/2 Elective Credit

3 GCCC Credit Hours

This course introduces the study of Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW/TIG), and Gas Metal Arc Welding (GMAW). This course includes technical information based on NCCER and AWS recommended competencies as well as teacher demonstration and hands on application by the student. This course is designed to be beneficial to beginning students who wish to work toward certification. Course offered fall and spring semesters. ***This is an Application Level course in the Manufacturing and Power, Structural, and Technical Systems Career Pathway.***

INTERMEDIATE AWS WELDING

(GCCC: WELD-120; GCHS: 9671)

12

1/2 Elective Credit

3 GCCC Credit Hours

This course allows students to advance their skills related to the study of Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW/ TIG), and Gas Metal Arc Welding (GMAW). This course includes technical information based on NCCER and AWS recommended competencies as well as teacher demonstration and hands on application by the student. This course is designed to be beneficial to beginning students who wish to work toward certification. ***This is an Application Level course in the Manufacturing and Power, Structural, and Technical Systems Career Pathway.***

ADVANCED AWS WELDING

(GCCC: WELD-200; GCHS: 9670)

12

1/2 Elective Credit

3 GCCC Credit Hours

This course allows students to demonstrate mastery of their skills related to the study of Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW/TIG), and Gas Metal Arc Welding (GMAW). This course includes technical information based on NCCER and AWS recommended competencies as well as teacher demonstration and hands on application by the student. This course is designed to be beneficial to beginning students who wish to work toward certification. ***This is an Application Level course in the Manufacturing and Power, Structural, and Technical Systems Career Pathway.***

FLINT HILLS TECHNICAL COLLEGE

DUAL-CREDIT COURSE DESCRIPTIONS

INTRODUCTION TO WIND ENERGY

(9132)

11, 12

½ Elective Credit

Prerequisite: Introduction to Manufacturing

This is an online course for the Power Plant Technology Certificate Applied Associate of Science degree through Flint Hills Technical College. Students will earn .5 high school elective credit after taking and passing this course as well as 3 FHTC college credits. **Tuition is \$55.00, paid in the Career Center. Fees are \$5.00 paid to Flint Hills Technical College.**

POWER PLANT TECHNOLOGY: ENERGY INDUSTRY FUNDAMENTALS

(FHTC: PPT-109; GHCS: 9126)

11, 12

½ Elective Credit

Prerequisite: Introduction to Manufacturing

This is an **ONLINE** introductory course for the Power Plant Technology Certificate or Applied Associate of Science degree through **Flint Hills Technical College**. It is designed to introduce highly motivated students to the basic principles and concepts that impact the energy industry from two positions: first, from the multiple ways energy is generated, such as gas, coal, wind, solar geothermal, algae, wave, etc. and second, from the aspect of the different structures of energy production, including the role of regulatory bodies, electric power transmission, environmental laws, utility practices and health and safety. **Tuition is \$55.00, paid in the Career Center. Fees are \$5.00 paid to Flint Hills Technical College.** Students can earn .5 high school elective credit and 3 post-secondary credits. **Limited enrollment with counselor approval. Minimum 3.0 GPA.**

POWER PLANT TECHNOLOGY: YEAR 2

(9130)

12

1 Elective Credit

Prerequisite: Power Plant Technology: Energy Industry Fundamentals (PPT: 109)

This is an online course for the Power Plant Technology Certificate through Flint Hills Technical College. It is a continuation of the program for those who have completed the Power Plant Technology Energy Industry Fundamentals course. The course is designed to introduce students to important concepts that impact the energy industry. Students will enroll in a number of college courses during this block. Semester grade will be determined by Flint Hills GPA for that period of time. **Tuition is \$65.00, paid in the Career Center. Fees are \$5.00 paid to Flint Hills Technical College.**

ADDITIONAL COURSES AS NEEDED

This section is to be used as a counselor resource page, students may not choose to enroll in the following courses.

ENGLISH I

(6000U/6001U)

ALGEBRA I

(6330U/6331U)

HEALTH

(7801)

INDIVIDUAL ENRICHMENT

(8593/8594)

Prerequisite: Gifted IEP and counselor approval.

LAB AIDE

(7400/7401)

SAT

(7336 AC, F, H, P, T)

Please Note: This is a code for faculty reference, not a class in which a student may enroll.

GARDEN CITY COMMUNITY COLLEGE

(7303/7304)

NO CLASS – NON-ACTIVITY STUDENT

(7326)

MENTORING

(7326)

10, 11, 12

¼ Credit

Students will work on career & college readiness curriculum, individual plans of study (IPS), social emotional learning curriculum including mindfulness and self-regulation, FastBridge testing, and other counselling curriculum. Curriculum may include Xello, anti-bullying lessons, suicide prevention, teen driving violence, random acts of kindness, college visits, career connections (meeting with various local businesses and former graduates), mental health, awareness, student council activities, and college preparation workshops.

BIOLOGY

(6602/6603)

10, 11, 12

1 Science Credit

The purpose of biology is to give each individual an appreciation of the vast diversity of living things and their special adaptations that allow these living things to function in a complex environment. This course is designed in part to prepare students for admission to a university.

AP/HONORS BIOLOGY

(6608/6609)

Prerequisite:

11, 12

1 Science Credit

AP Biology is an independent study course designed to meet the objectives of a general biology course at the college level. The aim of this course is to achieve the following: knowledge of the facts, principles and processes of biology; understanding the means by which biological information is collected, how it is interpreted and how one formulates hypotheses from available data and makes further predictions; and understanding that science is a human endeavor with social consequences. This course is designed in part to prepare students for admission to a university. **Students enrolled in AP Biology will take the AP Exam and pay the exam fee of approximately \$87.** The AP Exam can qualify students for college credit. **This course is an indexed course.**

AP PHYSICS

(6626/6627)

12

1 Science Elective Credit

Prerequisite: Physics

This physics course will include topics in both classical and modern physics. Knowledge of algebra and basic trigonometry is required for the course; the basic ideas of calculus may be introduced in connection with physical concepts, such as acceleration and work. This physics course seeks to be a representative of the topics covered in similar college courses. The following topics are included: Newtonian mechanics, thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. This course is designed in part to prepare students for admission to a university. **Students enrolled in AP Physics will take the AP Exam and pay the exam fee of approximately \$87.** The AP Exam can qualify students for college credit. **This course is an indexed course.**

EMERGENCY FIRST RESPONDER

(GCCC: EMIC-107; 9642)

11, 12

1 Elective Credit

Prerequisites: Documented reading level of 9th grade or higher on the Nelson Denny Assessment as determined by GCCC. **Participating students must be 17 by the end of the semester in which they are enrolled in First Responder.**

Fee: GCCC tuition and fees are a part of this dual credit course. This course is designed to provide training in emergency medical care for those who are apt to be the first persons responding to an emergency incident. Students will be taught the basics of emergency recognition and management on a Basic Life Support level. Students will learn skills associated with rapid assessment, stabilization and transfer of both the trauma victim and those suffering a medical emergency. This course will prepare students for Emergency Medical Technician coursework, Fire Science, or other Allied Health fields. **Required: Clinicals will be scheduled on some Saturdays and evenings.** Please note: this is a double-blocked class so it will take up two elective hours in the student's schedule. Students will attend class on the GCCC campus.

AP/HONORS U.S. GOVERNMENT

(6812)

12

½ Social Studies Credit

This course is designed to provide the student with an in-depth and rigorous approach to the study of U.S. Government. The same material as the regular U.S. Government course will be studied; however, in this class the student will examine the theory as well as the principles of American Government. Current issues in local, state and Federal government will be examined and analyzed as they reflect the different aspects of the practice of government. Civic responsibilities and liberties will be examined with an emphasis on the role of citizen leadership in practicing these principles. A strong emphasis on writing and expressing opinion in the parlance of political science will be stressed in preparation for the Advanced Placement test. This course is designed in part to prepare students for admission to a university. Students enrolled in AP US Government will take the AP Exam and **pay the exam fee of approximately \$87**. The AP Exam can qualify students for college credit. ***This course is an indexed course.***

PSYCHOLOGY

(6814)

11, 12

½ Social Studies Elective Credit

The American Psychological Association defines Psychology as "the study of the mind and behavior. This course is a general introduction of Psychology and should be rigorous and relevant with instruction that integrates thinking skills, historical processes, and content so that students are able to apply their learning to their own lives. Instruction should include the integration of concepts and principles from history, economics, geography, civics, and the humanities.

WE THE PEOPLE

(6843)

10, 11, 12

½ Social Studies Elective Credit

The American nation, observed Abraham Lincoln, was "conceived in liberty and dedicated to the proposition that all men are created equal." What does this really mean? This elective course is designed to help students develop a deeper understanding of and a connection to politics in America. Students will examine the philosophical and historical foundations of the American political system. Time will be spent on the values and principles embodied in the Constitution and their impact on the development of rights in the United States. Students will be required to take part in a local competitive mock Congressional hearing which will require researching, writing and presenting information to a panel of judges. Students may have the option to compete at the state or national level.

HISTORY OF WORLD RELIGIONS

(6844)

11, 12

½ Social Studies Elective Credit

Countries have been formed, wars have been fought and art has been created in the name of religion. In this course students will study the relationship between belief and action and study the history and interaction of the five major religions (Hinduism, Buddhist, Judaism, Christianity, and Islam). Students will understand how the modern world was formed by these beliefs and interactions.

ACT PREP

(7410/7411)

11, 12

½ Elective Credit

This is a semester class that will include working to improve skills necessary to increase scores on the ACT Assessment. The class will be on-line practice in the content areas assessed by the ACT: reading, English usage, writing, science and mathematics. The class will also include test-taking strategies, logic and problem-solving skills, and tips on improving scores on the ACT.

INDEPENDENT STUDY

(7309/7310)

11, 12

½ Elective Credit

The purpose of Independent Study is to provide an in-depth study on a particular academic topic. It is not to be a duplication of a class already in existence. The following guidelines must be met:

1. All applications must be completed and approved before the start of the semester. They are to be picked up from and returned to the Counselors' Office.
2. The project title will appear on the transcript.
3. There must be a minimum of 90 hours of work in order to receive 1/2 credit.
4. A student may only take one hour of Independent Study per semester.
5. All projects will be one semester in length.
6. The sponsoring teacher must be certified in the area of study.
7. The student must be under the direct supervision of the sponsoring teacher during the assigned time. Any variance requires written permission from the teacher.

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