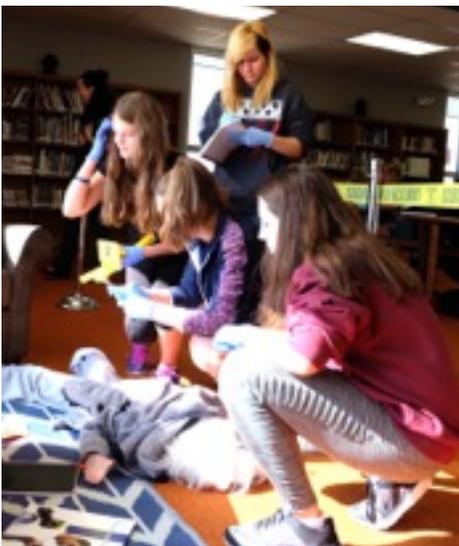




Seaman High School

2018-2019 Program Guide



Seaman High School
4850 NW Rochester Rd.
Topeka, KS 66617

Seaman High School Mission Statement

Seaman High School is dedicated to developing in every student life-long skills essential for achieving personal, academic, and occupational success.

www.seamanschools.org/shs

The Program Planning Guide has been written to provide students and parents with information they need to develop a course schedule for the upcoming school year and to prepare a comprehensive four-year plan of study that will best meet one's academic, occupational, and personal needs. Our guidance counselors look forward to assisting students in developing a plan of study based on their individual interests and needs.

Pre-Enrollment

Students are asked to fill out the pre-enrollment forms carefully. The administration and counselors will use the pre-enrollment data to build a master schedule. The counseling staff will distribute enrollment materials in January and February. These materials include:

- The transcript review, which lists all classes a student has successfully completed.
- A preference sheet listing all required and elective classes for the appropriate grade level
- A copy of the "Guide for Educational Planning."

Students and parents will have approximately two weeks to study the enrollment information. After this time, each student must complete an enrollment form listing his/her choices for the next school year. Students must also complete and return the preference sheets listing alternative classes that were not marked on the enrollment form.

Student selections during pre-enrollment help determine which courses will be offered and when they will be offered. When students change their minds, classes are impacted. Students need to be very serious about their enrollment choices, as changes will only be considered if space is available.

At SHS we are very fortunate to be able to offer such a wide array of course offerings that are designed to prepare students with a solid academic foundation, to explore and discover their interests and passions, and to provide a smooth and seamless transition into post-secondary programs of study and careers. Many of our students begin the transition early by completing vocational certifications, career and technical education pathways, dual credit college course work, and internships. Required courses like Success 101, which includes My-10-Year-Plan, and Personal Finance have been added to the curriculum to assist students in exploring and identifying their interests, developing plans of study, and making sound long-term plans. Our College and Career Advocates also assist students in developing plans of study that can help students achieve their dreams and goals.

The faculty and administration encourage students to develop a solid academic plan of study and to work diligently to meet their academic and career goals. We look forward to working with you and wish you all the BEST for a successful school year. The future of our Seaman Vikings looks very BRIGHT!

Mike Monaghan
Seaman High School Principal



Mike Monaghan
Principal



Brad Dietz
Assistant Principal/
Athletic Director



Shelly Prengel
Assistant Principal
Freshman Center



Lee Schmidt
Assistant Principal



Travis Brown
Assistant Principal
Pleasant Hill Learning Campus

TABLE OF CONTENTS

2	BELL SCHEDULE	26	LANGUAGE ARTS
3	BASIC GRADUATION REQUIRED COURSES	31	MATHEMATICS
4	CAREER PATHWAYS	33	MUSIC
10	AGRICULTURAL SCIENCE AND TECHNOLOGY	36	PHYSICAL EDUCATION
12	ART	37	SCIENCE
14	BUSINESS	41	SOCIAL STUDIES
18	FAMILY AND CONSUMER SCIENCE	43	COUNSELING SERVICES/INFORMATIONAL ITEMS
21	FOREIGN LANGUAGE	46	PRE-COLLEGE REQUIREMENTS
23	INDUSTRIAL TECHNOLOGY		

BELL SCHEDULE

VIKING DAY

Period	Monday	Lunch
7:55 - 8:43	1	
8:49 - 9:37	2	
9:43 - 10:31	4	
10:37 - 11:25	5	
11:31 - 1:02	6	First Lunch: 11:31 - 11:58 Second Lunch: 12:03 - 12:30 Third Lunch: 12:35 - 1:02
1:08 - 2:11	7	
2:17 - 3:05	8	

BLOCK DAYS

Period	Tuesday	Wednesday	Thursday	Friday	Lunch
7:55 - 9:28	2	1	2	1	
9:34 - 11:11	4	3-Seminar	4	3-Seminar	
11:17 - 1:12	6	5	6	5	First Lunch: 11:17 - 11:42 Second Lunch: 11:47 - 12:12 Third Lunch: 12:17 - 12:42 Fourth Lunch: 12:47 - 1:12
1:18 - 3:05	8	7	8	7	

BASIC GRADUATION REQUIRED COURSES

Freshman

English (choose one)	<input type="checkbox"/> Freshman Language Arts <input type="checkbox"/> Honors Freshman Language Arts	1 Credit
Science	<input type="checkbox"/> Biology	1 Credit
Social Studies	<input type="checkbox"/> Modern World History	1 Credit
Math	<input type="checkbox"/> Math I (required) <input type="checkbox"/> Math I Lab (in addition to Math I) <input type="checkbox"/> Math I Honors (in addition to Math I)	1 Credit
Physical Education	<input type="checkbox"/> Physical Dimensions (One Semester)	0.5 Credit
Career Exploration	<input type="checkbox"/> Success 101 (One Semester)	0.5 Credit
Electives	An elective credit is any class not required	2 Credit
Seminar	<input type="checkbox"/> Freshman Seminar	

Grades 10-12

English	10th Grade	<input type="checkbox"/> Sophomore Language Arts <input type="checkbox"/> Honors Sophomore Language Arts	1 Credit
	11th Grade	<input type="checkbox"/> Junior Language Arts <input type="checkbox"/> Honors Junior Language Arts	1 Credit
	12th Grade	<input type="checkbox"/> AP English or Writing: <input type="checkbox"/> Freshman Comp/WU (3.0 GPA Required) <input type="checkbox"/> College Prep Comp <input type="checkbox"/> Technical Writing (non-college bound) and Literature: <input type="checkbox"/> Shakespeare <input type="checkbox"/> Greek Mythology <input type="checkbox"/> Workplace Reading Essentials (non-college bound)	1 Credit or 0.5 Credit and 0.5 Credit
Science	10-12 Grade	Select 2 Years of Science (see page 38)	2 Credit
Social Studies	11-12 Grade	<input type="checkbox"/> US History I & II <input type="checkbox"/> AP US History	1 Credit
	12th Grade	<input type="checkbox"/> US Government I & II	1 Credit
Math	10th Grade	<input type="checkbox"/> Math II <input type="checkbox"/> Math II A (in addition to Math II) <input type="checkbox"/> Math II Honors	1 Credit
	11th Grade	<input type="checkbox"/> Math III <input type="checkbox"/> Math III A (in addition to Math III) <input type="checkbox"/> Math III Honors	1 Credit
Physical Education	Select one	<input type="checkbox"/> Aerobics <input type="checkbox"/> Beginning Strength & Conditioning <input type="checkbox"/> Strength & Conditioning <input type="checkbox"/> Lifetime Sports <input type="checkbox"/> Team Sports <input type="checkbox"/> Cardio Fitness	0.5 Credit
Fine Arts	Select one credit's worth from the listed areas	Music, Art, Theatre, Journalism, Speech, Debate, Forensics	1 Credit
Business	10-12 Grades	<input type="checkbox"/> Personal Finance	0.5 Credit
Electives	10-12 Grades	An elective credit is any class not required	7 Credits
Seminar	10-12 Grades	<input type="checkbox"/> Sophomore Seminar <input type="checkbox"/> Junior Seminar <input type="checkbox"/> Senior Seminar	
TOTAL			25 Credits

Career Pathways provide students a sequential set of classes to explore careers of interest and develop skills in preparation for college and a career. The following pages present the Career Pathways

Introductory courses allow students to explore a wide variety of careers within the field. **Technical level courses** focus on specific skills that are needed within the career area. Students who have gained the technical skills within the pathway are eligible to enroll in **Application level courses**, which provide "real-world" experiences in the classroom with industry mentors or through professional workplace experience.

Benefits of College & Career Pathways

1. Access to exclusive project-based learning experiences
2. Exposure to high-demand, high-income industries
3. Small learning communities of students centered on your student's field of interest
4. Career exploration so student can determine his/her career and educational plan beyond high school
5. Freedom to explore multiple pathways
6. College credit opportunities

College & Career Pathways available at Seaman High School

Agriculture, Food & Natural Resources

1. AGRIBUSINESS SYSTEMS
2. COMPREHENSIVE AGRICULTURE SCIENCE
3. ANIMAL SCIENCE
4. PLANT SYSTEMS
5. POWER, STRUCTURAL & TECHNICAL SYSTEMS

Architecture & Construction

6. CONSTRUCTION & DESIGN - CONSTRUCTION
7. CONSTRUCTION & DESIGN - DESIGN

Arts, A/V Technology & Communications

8. AUDIO/VISUAL COMMUNICATIONS

Business Management & Administration

9. BUSINESS MANAGEMENT & ENTREPRENEURSHIP - SUPPORTIVE BUSINESS & ENTREPRENEURSHIP TECHNICAL
10. BUSINESS MANAGEMENT & ENTREPRENEURSHIP - SUPPORTIVE ENTREPRENEURSHIP TECHNICAL

Engineering

11. ENERGY
12. ENGINEERING & APPLIED MATHEMATICS

Education & Training

13. TEACHING & TRAINING

Finance

14. BUSINESS FINANCE - BANKING SERVICES
15. BUSINESS FINANCE - ACCOUNTING

Government & Public Administration

16. GOVERNMENT & PUBLIC ADMINISTRATION

Health Science

17. BIOCHEMISTRY
18. BIOMEDICAL
19. HEALTH SCIENCE

Human Services

20. EARLY CHILDHOOD DEVELOPMENT & SERVICES
21. FAMILY, COMMUNITY & CONSUMER SERVICES

Information Technology

22. PROGRAMMING & SOFTWARE DEVELOPMENT
23. WEB & DIGITAL COMMUNICATIONS

Manufacturing

24. MANUFACTURING

AGRICULTURE, FOOD & NATURAL RESOURCES

INTRODUCTORY	TECHNICAL	APPLICATION
Agribusiness Systems Pathway		
#14200 Introduction to Agricultural Sciences	#14500 Agriculture Business	#14535 Applications in Agribusiness
		#14510 Agriculture Communications & Leadership
		CCR Internship - Agriculture, Food & Natural Resources
Animal Science Pathway		
#14200 Introduction to Agricultural Sciences	#14300 Animal Science and Industry	#14520 Animal Health/Veterinary Tech
		CCR Internship - Agriculture, Food & Natural Resources
Comprehensive Agriculture Science Pathway		
#14200 Introduction to Agricultural Sciences	#14322 Horticulture	#14510 Agriculture Communications & Leadership
	#14300 Animal Science and Industry	
Plant Systems Pathway		
#14200 Introduction to Agricultural Sciences	#14322 Horticulture	#14530 Applications in Horticulture
		#14510 Agriculture Communications & Leadership
		#14500 Agriculture Business
		CCR Internship - Agriculture, Food & Natural Resources
Power, Structural & Technical Systems Pathway		
#14200 Introduction to Agricultural Sciences	#6304 Basic Metals Technology	#6305 Metals: Research and Prototyping
		#14510 Agriculture Communications & Leadership
		#14500 Agriculture Business
		CCR Internship - Agriculture, Food & Natural Resources

OCCUPATIONS

Buyers and Purchasing Agents	Food Scientists and Technologists	Farmworkers and Laborers
Farm and Ranch Managers	Clinical Research Coordinators	Nursery Workers
Nursery and Greenhouse Managers	Fishers and Related Fishing Workers	Soil and Plant Scientists
Animal Scientists	Forest and Conservation Technicians	Tree Trimmers and Pruners
Environmental Engineers	Hunters and Trappers	Agricultural Engineers
Water/Wastewater Engineers	Natural Sciences Managers	Agricultural Equipment Operators
Agricultural Technicians	Water Resource Specialists	Farm Equipment Mechanics Technicians
Agricultural and Food Science Technicians	Zoologists and Wildlife Biologists	
Food Science Technicians	Biological Technicians	

ARCHITECTURE & CONSTRUCTION

INTRODUCTORY	TECHNICAL	APPLICATION
Construction & Design - Design Pathway		
#6200 Introduction to Industrial Technology	#6300 Basic Technical Drawing	#6500 Architecture/Construction Science
	#6550 Computer Aided Drafting	#5306 Home Interiors
Construction & Design - Construction Pathway		
#6200 Introduction to Industrial Technology	#6302 Basic Wood Technology	#6310 Industrial Production: Woods

OCCUPATIONS

Carpenters	Pipefitters	Landscape Architects
Construction Laborers & Managers	Steamfitters	Surveyors
Crane and Tower Operators	Architectural and Civil Drafters	Heating and Air Conditioning Mechanics
Drywall and Ceiling Tile Installers	Architects	Landscaping Workers
Electricians	Civil Engineering Technicians	Mapping Technicians
Pipelayers	Civil Engineers	
Plumbers	Interior Designers	

ARTS, A/V TECHNOLOGY & COMMUNICATIONS

INTRODUCTORY	TECHNICAL	APPLICATION
A/V Communications Pathway		
#2105 Introduction to Business	#2540 Graphic Design I	#7255 Broadcast Journalism II: Video Production
#2550 Computer Applications I	#2545 Graphic Design II	#7245 Clipper: Digital Media Design & Production
#2560 Computer Applications II	#2306 Marketing: Sports & Entertainment	#7240 Yearbook: Digital Media Design & Production
	#7220 21st Century Journalism	
	#7225 Digital Media Technology	
	#7250 Broadcast Journalism I: Audio/Video Production Fundamentals	
	#7230 Beginning Digital Photo: Photo Imaging	
	#1340 Digital Art	

OCCUPATIONS

Audio Technicians	Film and Video Editors	Reporters and Correspondents
Video Equipment Technicians	Media and Communication Workers	Sound Engineering Technicians
Broadcast News Analysts	Photographers	Technical Writers
Broadcast Technicians	Poets, Lyricists	Writers and Authors
Camera Operators	Creative Writers	Desktop Publishers
Copy Writers	Radio and Television Announcers	Prepress Technicians
Editors	Radio Operators	Printing Press Operators

BUSINESS MANAGEMENT & ADMINISTRATION

INTRODUCTORY	TECHNICAL	APPLICATION
Business Management & Entrepreneurship - Supportive Business & Entrepreneurship Technical Pathway		
#2105 Introduction to Business	#2522 Entrepreneurship I	#2690 Entrepreneurship II
	#2340 Business Management	#5725 Applied Business Development
	#2670 21st Century Technology Communications	
	#2519 Business Economics	
	#2506 Accounting I	
	#2303 Business Law I	
	#2306 Marketing: Sports and Entertainment	

Business Management & Entrepreneurship - Supportive Entrepreneurship Technical Pathway

#2105 Introduction to Business	#2522 Entrepreneurship I	#2690 Entrepreneurship II
	#2340 Business Management	#5725 Applied Business Development
	#2670 21st Century Technology Communications	
	#2315231 Web Design and Internet Applications II	
	#6302 Basic Wood Technology	
	#6550 Computer Aided Drafting	
	#6304 Basic Metals Technology	
	#5330 Culinary Essentials	
	#5340 Foundations to Early Childhood Development	
	# 11380 Engineering Design and Development (PLTW)	
	#2530 21st Century Personal Finance	

OCCUPATIONS

Chief Executives	Online Merchants	Economist Entrepreneur
Compliance Managers	Cashier or Salesperson	Entrepreneur
General and Operations Managers	Construction Manager	Fashion Retailer
Human Resources Managers	Customer Service	Financial Manager
Quality Control Systems Managers	Representative	Fundraiser

EDUCATION & TRAINING

INTRODUCTORY	TECHNICAL	APPLICATION
Teaching/Training Pathway		
# 95200 Success 101	#5320 Human Development	#5535 Exploring Teaching II
	#5530 Exploring Teaching I	
	#5317 Teen Issues	

OCCUPATIONS

Distance Learning Coordinators	Vocational Counselors	Coaches and Scouts
Education Administrators	Interpreters and Translators	Social Workers
Fitness and Wellness Coordinators	Librarians	Teacher Assistants
Guidance Counselors	Library Technicians	Tutors
Instructional Coordinators	Teachers	

ENGINEERING

INTRODUCTORY	TECHNICAL	APPLICATION
Energy Pathway		
#11360 PLTW Introduction to Engineering Design	#11375 PLTW Principles of Engineering	#11380 PLTW Engineering Design and Development (2019-20)
Engineering & Applied Mathematics Pathway		
#2550 Computer Applications I	#11375 PLTW Principles of Engineering	#11380 PLTW Engineering Design and Development (2019-20)
#2560 Computer Applications II		
#11360 PLTW Introduction to Engineering Design		

OCCUPATIONS

Electrical Engineer	Environmental Chemist	HVAC Maintenance
Electrical Maintenance	Environmental Engineering	Meter Technician
Electronic Technician	Geologist	Power Line Operator
Energy Analyst	Green Power Technician	Power Plant Technician

FINANCE

INTRODUCTORY	TECHNICAL	APPLICATION
Business Finance - Banking Pathway		
#2105 Introduction to Business	#2522 Entrepreneurship I	#2675 Investing
	#2506 Accounting I	#2520 Money & Banking
	#2519 Business Economics	
	#2530 21st Century Personal Finance	
Business Finance - Accounting Pathway		
#2105 Introduction to Business	#2506 Accounting I	#2601 Computerized Accounting II
	#2530 21st Century Personal Finance	#2605 Computerized Accounting III
	#2519 Business Economics	#5735 CCR Internship - Finance
	#2303 Business Law I	
	#2522 Entrepreneurship I	

OCCUPATIONS

Accountants	Budget Analysts	Financial Quantitative Analysts
Auditors	Tellers	Financial Specialists
Credit Analysts	Financial Managers	Fraud Examiners
Credit Authorizers	Insurance Adjusters	Personal Financial Advisors
Loan Officers	Brokerage Clerks	

GOVERNMENT & PUBLIC ADMINISTRATION

INTRODUCTORY	TECHNICAL	APPLICATION
Government & Public Administration Pathway		
# 95200 Success 101	#12330 Government & Public Administration Fundamentals	#2303 Business Law I

OCCUPATIONS

Paralegals and Legal Assistants	Court Reporter	Urban and Regional Planners
Legislative Aides	Legal Support Workers	Secondary School Teacher
Legislative Assistants	Government Executives	
Appraisers of Real Estate	Compliance Officers	
Title Examiners	Administrative Services Managers	
Abstractors	Auditors	

HEALTH SCIENCE

INTRODUCTORY	TECHNICAL	APPLICATION
BioChemistry Pathway		
#2550 Computer Applications I	#11410 BioMedical Human Body Systems (PLTW)	CCR Internship - Engineering
#2560 Computer Applications II	#11350 Human Anatomy I	
#11360 Introduction to Engineering Design	#11355 Human Anatomy II	
#11501 Chemistry		
BioMedical Pathway		
#11300 Biology	#11400 Principles of BioMedical Science (PLTW)	#14255 BioMedical Innovations
#2550 Computer Applications I	#11410 BioMedical Human Body Systems (PLTW)	CCR Internship - Engineering
#2560 Computer Applications II	#11350 Human Anatomy I	
#11360 Introduction to Engineering Design	#11355 Human Anatomy II	
Health Science Pathway		
#11300 Biology	#11410 BioMedical Human Body Systems (PLTW)	WUIT - CNA
#11501 Chemistry	#11350 Human Anatomy I	WUIT - Phlebotomy
	#11355 Human Anatomy II	WUIT - Health Care Tech
	#5307 Nutrition & Fitness	#14255 BioMedical Innovations
	#11400 Principles of BioMedical Science (PLTW)	

OCCUPATIONS

Biomedical Engineers	Radiologists	Pharmacy Aides
Health Technologists	Veterinary Technologists	Allergists and Immunologists
Epidemiologists	Medical Secretaries	Chiropractors
Medical Technicians	Healthcare Support Workers	Dental Hygienists
Radiologic Technicians	Phlebotomists	Surgeons

HUMAN SERVICES

INTRODUCTORY	TECHNICAL	APPLICATION
Early Childhood Development & Services Pathway		
# 95200 Success 101	#12315 Leadership	#5765 CCR Internship - Early Childhood Applications
Introduction to Family & Consumer Science (8th Grade)	#5320 Human Development	#5755 CCR Internship - Career Connections
	#5317 Teen Issues	
	#5340 Foundation to Early Childhood Development	
Family, Community and Consumer Services Pathway		
# 95200 Success 101	#5320 Human Development	#5560 Career & Community Connections
	#5317 Teen Issues	
	#2530 21st Century Personal Finance	
	#5307 Nutrition & Fitness	
OCCUPATIONS		

- | | | |
|--------------------------------|-------------------|----------------------------|
| Credit Counselors | Psychologists | Religious Workers |
| Counseling Psychologists | Childcare Workers | Community Service Managers |
| Marriage and Family Therapists | Health Educators | Funeral Directors |
| Mental Health Counselors | Cosmetologists | |
| Social Workers | Fitness Trainers | |

INFORMATION TECHNOLOGY

INTRODUCTORY	TECHNICAL	APPLICATION
Programming and Software Development Pathway		
#2550 Computer Applications I	#2315 Web Design and Internet Applications I	CCR Internship
#2560 Computer Applications II	#2316 Web Design and Internet Applications II	
	#2309 Visual Basic Programming I	
	#2325 Visual Basic Programming II	
Web and Digital Communications Pathway		
#2550 Computer Applications I	#2540 Graphic Design I	CCR Internship
#2560 Computer Applications II	#2545 Graphic Design II	
	#2315 Web Design and Internet Applications I	
	#2316 Web Design and Internet Applications II	
	#2635 Computer Animation/Videogame Development I	
	#2650 Computer Animation/Videogame Development II	
OCCUPATIONS		

- | | | |
|--------------------------------|---------------------------------|-------------------------------|
| Business Intelligence Analysts | Web Administrators | Computer Programmers |
| Computer Systems Engineers | Computer Network Architects | Software Developers |
| Data Warehousing Specialists | Information Security Analysts | Web Developers |
| Video Game Designers | Computer Systems Administrators | Informatics Nurse Specialists |

MANUFACTURING

INTRODUCTORY	TECHNICAL	APPLICATION
A/V Communications Pathway		
#6200 Introduction to Industrial Technology	#6550 Computer Aided Drafting	#6305 Metals: Research and Prototyping
	#6304 Basic Metals Technology	
OCCUPATIONS		

- | | | |
|--------------------------------|------------------------------------|----------------------------|
| Electronics Repairers | Automotive Technicians | Nuclear Technicians |
| Geothermal Technicians | Drafters | Biomass Plant Technicians |
| Home Appliance Repairers | Electrical Engineering Technicians | Production Workers |
| Industrial Machinery Mechanics | Fuel Cell Technicians | Plant and System Operators |
| Locksmiths | Manufacturing Technicians | Welders |
| Medical Appliance Technicians | Mechanical Drafters | Woodworkers |

Course	9	10	11	12
Introduction to Agricultural Sciences	X	X	X	X
Animal Science and Industry		X	X	X
Horticulture		X	X	X
Agriculture Business			X	X
Agriculture Communications and Leadership			X	X
Animal Health/Veterinary Tech			X	X
Applications in Horticulture			X	X
Applications in Agribusiness			X	X
College & Career Ready Internship				X

INTRODUCTION TO AGRICULTURAL SCIENCES Credit: 1 P

Course Number: #14200
 Qualifications: KBOR Elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: none

This course is a guided tour of the world of Agriscience and FFA. The first semester will aid in the development of career skills that employers demand in today's workplace while providing information in the areas of FFA, public speaking, animal science business management and recordkeeping. The second semester places emphasis on animal sciences, plant sciences and natural resources.

ANIMAL SCIENCE & INDUSTRY Credit: 1 P

Course Number: #14300
 Qualifications: KBOR science credit
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: Introduction to Agriculture recommended

Animal Science and Industry is a practical course for students interested in food animals. It will acquaint students with the nature of the animal industry, the basic skills required, and its many career opportunities.

HORTICULTURE Credit: 1 P

Course Number: #14322
 Qualifications: KBOR science credit
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: Introduction to Agriculture recommended

Horticulture is a science that studies plants, gardening and natural growth. This course helps students develop skills in controlling plant growth and development. Specific topics of study may include plant production, pruning, and regulations of plant growth and storage processes. Horticulture courses may also cover marketing concepts in horticulture. It will also include lab-based instruction in the school greenhouse.

AGRICULTURE BUSINESS Credit: .5 P

Course Number: #14500
 Qualifications: KBOR elec
 Grade Level: 11, 12
 Fees: none
 Prerequisite: Introduction to Agriculture recommended

Agriculture Business is a course designed to introduce the students to agribusiness management in the free enterprise system. It includes a study of economic principles, budgeting, recordkeeping, finance, risk management, business law, marketing, and careers in agribusiness. Leadership development and supervised agricultural experience programs are an integral part of this course.

AGRICULTURE COMMUNICATIONS AND LEADERSHIP Credit: .5 P

Course Number: #14510
 Qualifications: KBOR elective
 Grade Level: 11, 12
 Fees: none
 Prerequisite: Introduction to Agriculture recommended

Agriculture Communications and Leadership is a course designed to prepare students for advertising, public relations, and oral communications within agriculture. This course is all about the surrounding community and making sure they know what is going on in our program and in today's agriculture. It will include communications through paper, TV, radio, social media, and blogging.

ANIMAL HEALTH/VETERINARY TECH Credit: 1 P

Course Number: #14520
 Qualifications: KBOR elective
 Grade Level: 11, 12
 Fees: none
 Prerequisite: Animal Science with a C or better

This course is designed to provide students with an opportunity to study the science of veterinary medicine, including animal anatomy and physiology, animal health, nutrition, and cause/prevention of disease. Students will learn various veterinary laboratory skills, aseptic and surgical procedures, basic radiology, and scientific research and writing skills.

APPLICATIONS IN HORTICULTURE Credit: 1 P

Course Number: #14530
 Qualifications:
 Grade Level: 11, 12
 Fees: none
 Prerequisite: C or better in Horticulture

This class explores crop, vegetable, greenhouse and nursery plant management and the economics involved in plant production through hands-on applications. This course is designed to develop skills in the maintenance of plant growth and propagation structures. This class will also bridge the gap between the gap between the school and our community via plant production.

APPLICATIONS IN AGRIBUSINESS Credit: 1 P

Course Number: #14535
 Qualifications: KBOR elec.
 Grade Level: 11, 12
 Fees: none
 Prerequisite: C or better in Agriculture Business

This course is designed for advanced study of agriculture business opportunities and economics for the college bound students with interest in agriculture. Through the course, the student will understand and apply basic economic principals as they relate to individual consumers, production agriculture, and agri-business management. Life skills such as resumes, job applications, interview skills, and college and scholarship applications will be included. The students will develop a "business" that will produce, package, determine prices, and market their products. Students will keep accurate records of expenses, receipts, and profit/losses.

COLLEGE & CAREER READY INTERNSHIP

Grade Level: 12



Fees: none

Prerequisite: Students must apply to the program. Requirements include: 95% attendance, minimal discipline points, recommendation from two teachers, and graduation requirements are met

The course is designed to afford students the opportunity to be matched with a career/business mentor in an active engagement of hands-on application of 21st Century employability skills. Students spend their Viking Days on campus working on employability skills and prep work for post-secondary education. Block days are spent with their career mentor.

Course	9	10	11	12
Design I	X	X	X	X
Design II		X	X	X
Drawing I	X	X	X	X
Drawing II		X	X	X
Jewelry		X	X	X
Three Dimensional Design		X	X	X
Ceramics I		X	X	X
Ceramics II		X	X	X
Printmaking		X	X	X
Painting & Mixed Media		X	X	X
Advanced Studio			X	X
Digital Art		X	X	X
AP Studio Art			X	X
College & Career Ready Internship				X

DESIGN I Credit: .5

Course Number: #1300
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: \$12
 Prerequisite: none

This course is an introductory art class for students wishing to take upper level art courses. Students will learn about the elements of art and how they are applied to the principles of design in organizing/creating two-dimensional works of art. Weekly art history lessons will reinforce the application of the elements art and principles of design in studying how professional artists apply them in their work. Students will have the opportunity to experience several different medias including graphite, charcoal, painting, printmaking, and other two-dimensional techniques. Through these experiences, students will learn to recognize and appreciate the difference between good and poor design in a work of art (aesthetics) and develop skills for future art classes.

DESIGN II Credit: .5

Course Number: #1303
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$12
 Prerequisite: Design I and Drawing I

This course continues to explore the design principles through a series of visual projects that encourage innovative solutions. Principles will be applied to a variety of two-dimensional artworks in diverse formats. Course content includes art production, design application, art history, criticism, aesthetics, and studies in visual culture. Students will expand and improve artistic understanding and skills while continuing to develop their style and voice to communicate ideas.

DRAWING I Credit: .5

Course Number: #1301
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: \$10
 Prerequisite: none

This course is designed for a novice drawer who has an interest in improving drawing skills and understanding the aesthetics of visual art. Composition, creativity, and perception will be developed. Written work and tests are among the academic requirements. Sketchbook and sketchbook assignments are required. Media: graphite, colored pencil, charcoal, ink.

DRAWING II Credit: .5

Course Number: #1308
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$10
 Prerequisite: A or B in Drawing I

This course encourages further development of these: composition, creativity, expression, technical skills, and color usage that were learned in Drawing I. Students will explore the media of pastels and figure drawing. Written work and sketchbook assignments are also a requirement of the course. Media: graphite, charcoal, pastel and color pencil.

JEWELRY Credit: .5

Course Number: #1315
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$15
 Prerequisite: Design I

In the course, students will learn basic jewelry techniques, and constructions in wire and fiber manipulation. Students will become familiar with the tools of the trade while creating projects and other constructions. We will rely heavily on the design principles when creating jewelry concepts so completion of one or more of the prerequisite courses is absolutely essential. Student supply list includes a bead plate, sketchbook, pencils and \$5 to spend on beads.

THREE DIMENSIONAL DESIGN Credit: .5

Course Number: #1302
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$15
 Prerequisite: Design I

The four methods of three-dimensional design will be covered using the following materials: paper mache, packaging tape, yarn baskets and polymer clay. Basic elements and techniques of design, composition, and structure are emphasized in this course. The student learns to express themselves in basic structure, function and application of procedure. Students may be responsible for some additional supplies.

CERAMICS I Credit: .5

Course Number: #1330
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$20
 Prerequisite: none

This is a basic course in working with clay, primarily concerned with coil and slab construction of traditional hand-built pot forms. Design, construction, and texturing of surface will be studied. Students will also work on the potter's wheel. The pieces to be fired in the kiln will be selected by the student and teacher on the basis of structure, design, craftsmanship and originality.

CERAMICS II **Credit: .5**

Course Number: #1350
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$20
 Prerequisite: Ceramics I or Instructor Permission

This advanced course expands on skills learned in Ceramics I. Students have independent projects as well as assigned projects that are required during the semester.

PRINTMAKING **Credit: .5**

Course Number: #1310
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$20
 Prerequisite: Drawing I and Design I

This course explores printmaking through a variety of processes that make multiples which include: reductive block, monoprint, collagraph, drypoint etching and screen printing. Students wishing to enroll, should have some experience in mixing colors and drawing. In addition to production, students will learn about the history of printmaking and critical analysis of their work and peers.

PAINTING & MIXED MEDIA **Credit: .5**

Course Number: #1335
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$20
 Prerequisite: Design I and Drawing I

This course explores various painting techniques. Acrylic paint, watercolor and collage will be explored. Design and color theory, along with the principles of design, will be used in creating paintings, still life, landscape, abstraction, and other subjects. Creativity and originality will be developed. Students will need to purchase additional supplies for the course.

ADVANCED STUDIO **Credit: .5**

Course Number: #1345
 Qualifications: KBOR elec
 Grade Level: 11, 12
 Fees: \$15
 Prerequisite: Drawing II or Design II and Art Department recommendation

This is an intensive course that addresses advanced concepts in drawing, painting, and beyond. Students will produce digital portfolios featuring slides of their original artwork in preparation for college admissions and/or competitions. Students are expected to perform at an advanced skill level while taking initiative to develop their own commitments to content and personal voice. Each student designs a concentration focused on a particular visual concern in which s/he has a compelling interest that will be explored and developed throughout the semester. A substantial amount of work is required outside of class.

DIGITAL ART **Credit: .5**

Course Number: #1340
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$5
 Prerequisite: Drawing I and Design I

This course will focus on computer-generated artwork using Photoshop and computer tablets. Students will learn how to create their own works of art as well as how to manipulate art to create new

original works of art on the computer. Projects include digital drawing and digital painting. Students will maintain a digital portfolio of their artwork during this class. Each student will need to purchase a memory stick for class.

ADVANCED PLACEMENT STUDIO ART **Credit: 1**
(Available 2019-20) **COLLEGE**

Course Number: #1360
 Qualifications: KBOR elec.
 Grade Level: 11, 12
 Fees: \$30

Prerequisite: Design I, Drawing I and two other advanced 2-D art classes (Drawing II, Design II, Painting & Mixed Media, and/or Printmaking) and art department recommendation.

This course will not be offered until 2019-20. This description is included to inform students that it will be offered and what the prerequisites are to enroll.

This is an intensive year-long course designed for students who are passionate about art and/or interested in pursuing the visual arts as a career after high school. The course addresses advanced concepts in drawing, painting, design and beyond. Students will produce an in-depth body of work broken down into breadth (range of approaches) and concentration (sustained investigation). The first semester consists of 12 teacher lead projects focused at creating a variety of work that either demonstrate a range of drawing issues or their understanding of 2-D design issues. During the second semester, students will produce an in-depth body of work referred to as a concentration that demonstrates a sustained investigation of a specific visual idea or describes an in-depth exploration of a particular 2-D design concern. A substantial amount of work is required outside of class. Students submit an in-depth digital portfolio and actual work at the end of the school year for evaluation with the potential to receive college credit for their work.

COLLEGE & CAREER READY INTERNSHIP

Grade Level: 12
 Fees: none

Prerequisite: Students must apply to the program. Requirements include: 95% attendance, minimal discipline points, recommendation from two teachers, and graduation requirements are met

The course is designed to afford students the opportunity to be matched with a career/business mentor in an active engagement of hands-on application of 21st Century employability skills. Students spend their Viking Days on campus working on employability skills and prep work for post-secondary education. Block days are spent with their career mentor.

Course	9	10	11	12
Computer Applications I	X	X	X	X
Computer Applications II	X	X	X	X
Introduction to Business	X	X		
21st Century Personal Finance		X	X	X
Accounting I		X	X	X
Computerized Accounting II			X	X
Computerized Accounting III			X	X
Money and Banking (IHT)			X	X
Graphic Design I	X	X	X	X
Graphic Design II	X	X	X	X
Investing			X	X
Computer Animation/Videogame Development I		X	X	X
Computer Animation/Videogame Development II		X	X	X
Business Economics			X	X
Business Law I		X	X	X
Business Law II			X	X
Recordkeeping	X	X	X	X
Marketing: Sports & Entertainment		X	X	X
Entrepreneurship I		X	X	X
Entrepreneurship II		X	X	X
Visual Basic Programming I		X	X	X
Visual Basic Programming II		X	X	X
PLTW Computer Science Principles		X	X	X
Web Design and Internet Applications I		X	X	X
Web Design and Internet Applications II			X	X
Business Management		X	X	X
Principles of Marketing (2019-2020)		X	X	X
21st Century Technology Communications	X	X	X	X
Computer Repair & Networking			X	X
Electronics			X	X
Graphics Technology			X	X
Legal Office Professional			X	X
Office Careers Technology			X	X
College & Career Ready Internship				X

Get your computer skills ready for college! Computer Applications II continues where Computer Applications I left off. Students will be working in Word, Excel, and Presentation Software to further develop their abilities in each program. Students will also be given hands on projects that will integrate the programs and utilize advanced features in each program. We will also incorporate presentations using PowerPoint and Slides, Photoshop and internet search techniques along with being introduced to database management.

INTRODUCTION TO BUSINESS Credit: .5

Course Number: #2105 **P**
 Qualifications: KBOR elec
 Grade Level: 9, 10
 Fees: none
 Prerequisite: none

This course is designed for the very first business class that most students will take. The students will be introduced to finance, marketing, economics, production, and management in a survey-like approach to business operations. The student will explore social responsibility, ethics, basic economics, career planning, decision-making, and technology.

21st CENTURY PERSONAL FINANCE Credit: .5

Course Number: #2530 **P**
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$3
 Prerequisite: none

The course content introduces students to information on basic money management, financial security, credit management, insurance, and consumer rights and responsibilities. Topics include: pay benefits, taxes, budgets, banking, saving, investing (stocks, bonds), real estate, retirement, credit, personal decision making, buying a home and car, risk management, and health and life insurance.

ACCOUNTING I Credit: 1

Course Number: #2506 **P**
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$5
 Prerequisite: none

This accounting course is designed to prepare students for analyzing finances from a business perspective. Each student will be well-prepared for a future in the business field as well as a broad range of careers. Accounting is the language of business and is required for all business students at the college level whether you major or minor in business. This course is the first of three courses in a sequence and covers the foundational principles of accounting and use of a 10-key machine and keypad. Throughout the course of the school year, students will complete coursework using paper workbooks. They will also be introduced to how accounting can be processed using a computer (Quickbooks and Excel).

COMPUTERIZED ACCOUNTING II Credit: .5

Course Number: #2601 **P**
 Qualifications: KBOR elec
 Grade Level: 11, 12
 Fees: none
 Prerequisite: Accounting I

This course gives students a practical experience in using Excel and Quickbooks for realistic accounting problems. The accounting problems will be completed on computers. Students will receive

COMPUTER APPLICATIONS I Credit: .5

Course Number: #2550 **P**
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: Introduction to Computers (8th grade)

Computer Applications I is a more in-depth continuation of Introduction to Computers. Students will learn to use software applications that consist of: Word Processing, Spreadsheets and Presentation Software. Students will create documents that will not only benefit them in class, but will also be applicable to other classes throughout high school. The main areas of word processing will be on Microsoft Word, Apple Pages and Google Docs. The next unit in the course will focus on Microsoft Excel, Apple Numbers, and Google Sheets. Students will also be introduced to project-based learning and will choose a computer application project to complete.

COMPUTER APPLICATIONS II Credit: .5

Course Number: #2560 **P**
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: Computer Applications I

hands-on experience with automated concepts and procedures found in computerized accounting environments.

COMPUTERIZED ACCOUNTING III Credit: .5

Course Number: #2605 **P**
 Qualifications: KBOR elec
 Grade Level: 11, 12
 Fees: none
 Prerequisite: Computerized Accounting II

This course is designed for students who wish to expand their accounting skills utilizing Excel and Quickbooks. Students will receive hands-on experience using this computerized accounting program.

MONEY AND BANKING (IHT) Credit: 1

Course Number: #2520
 Qualifications: KBOR elec
 Grade Level: 11, 12
 Fees: none
 Prerequisite: By application and interview

To enroll in this class the student must apply and have the consent of the business department faculty. All bank procedures include cashing, bookkeeping, spreadsheet, database, word processing, calendaring, scheduling of appointments, Internet usage, and Web page. This is the in-house training for the business program.

GRAPHIC DESIGN I Credit: .5

Course Number: #2540 **P**
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: none

Students will use Adobe InDesign and Photoshop to create professional-quality business publications for print and electronic distribution. The students will learn how to use text, graphics, and layout tools that will allow them to create advertisements, brochures, newsletters, and other professional publications.

GRAPHIC DESIGN II Credit: .5

Course Number: #2545 **P**
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: Graphic Design I

Students will use Adobe InDesign, Photoshop, and Illustrator to create professional-quality business publications for print and electronic distribution. The students will learn how to use text, graphics, and layout tools that will allow them to use their advanced skills to create original artwork for unique and personally designed professional publications.

INVESTING Credit: .5

Course Number: #2675
 Qualifications: KBOR elec
 Grade Level: 11, 12
 Fees: none
 Prerequisite: 21st Century Personal Finance

This course will allow student to make business and individual investment decisions by comparing and contrasting the investment qualities of cash, stock, bonds, and mutual funds. Students will review annual reports, predict growth rates, and analyze trends. Students will hone their investing skills by participating in a Stock Market Simulation and other activities.

COMPUTER ANIMATION/VIDEOGAME Credit: .5

DEVELOPMENT I **P**

Course Number: #2635
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: none

This course is designed for students interested in learning the basics of creating computer animations. Students will learn how to create graphics, animation effects, and animated text while utilizing Adobe Flash and/or HTML 5.0.. The students will also learn how to change and manipulate objects in Blender and create video games with DreamMaker.

COMPUTER ANIMATION/VIDEOGAME Credit: .5

DEVELOPMENT II **P**

Course Number: #2650
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: Computer Animation/Videogame Development I

This course is designed for advanced animation and video game students interested in enhancing their computer animations and video game skills. Students will learn advanced animation effects and advanced concepts in video game design.

BUSINESS ECONOMICS Credit: .5

Course Number: #2519 **P**
 Qualifications: KBOR elec
 Grade Level: 11, 12
 Fees: none
 Prerequisite: none

This course will examine the choice process from an individual viewpoint. The student will make informed and relevant choices in the marketplace, the voting booth, and in social life decisions. Also, the students will study Microeconomics, which explains the choices made by the individual consumer and producers in the marketplace and Macroeconomics, which explains the choices made by the whole economy.

BUSINESS LAW I Credit: .5

Course Number: #2303 **P**
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: none

This course exposes the student to his/her legal rights as well as legal responsibilities and is offered to make students aware of the laws that govern their business and private lives. Topics include introduction to general law, ethics, crimes, torts, law for the minor, law for the consumer, law for families, and contract law.

BUSINESS LAW II Credit: .5

Course Number: #2304
 Qualifications: KBOR elec
 Grade Level: 11, 12
 Fees: none
 Prerequisite: Business Law I

This course is a continuation of Business Law I. The students will be exposed to the legalities of buying and selling goods, using credit, employment contracts, insurance, and the uses of property. This is a good class to develop an understanding of the laws that govern business and private lives.

RECORDKEEPING Credit: .5

Course Number: #2100
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: \$5
 Prerequisite: none

The course content introduces students to basic entry-level recordkeeping skills needed in sales and office occupations. Students also learn to keep personal records, such as writing checks, and reconciling bank statements. Basic accounting concepts will be introduced. Students enrolled in Algebra II or higher mathematics courses should consider Accounting.

MARKETING: SPORTS & ENTERTAINMENT Credit: .5

Course Number: #2306 **P**
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: none

This course presents the principles and concepts of marketing as related to the sports and entertainment industry. Such concepts as product, industry, advertising, pricing, selling, promotion, information management and marketing related careers are presented. This is an excellent class to gain an understanding of practical business experiences.

ENTREPRENEURSHIP I Credit: .5

Course Number: #2522 **P**
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$5
 Prerequisite: none

This course emphasizes the major issues confronting entrepreneurs and those in small business. It provides guidance regarding the legal considerations of which entrepreneurs should be aware when launching a new enterprise. It serves as a source of reference to those who either aspire or are currently active in the entrepreneurial world.

ENTREPRENEURSHIP II Credit: .5

Course Number: #2690 **P**
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: Highland Community College Course Fee
 Prerequisite: Passed Entrepreneurship I with a 70% or greater

This course will provide a study of the basic entrepreneurial process. The course will cover opportunity recognition, entry strategies, market opportunities and marketing, creation of a successful business plan, financial projections, venture capital, debt and other forms of financing, external assistance for startups and small business, legal and tax issues, intellectual property, franchising, and entrepreneurship economics.

VISUAL BASIC PROGRAMMING I Credit: .5

Course Number: #2309 **P**
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: Geometry

This course is designed to introduce the Visual Basic programming language to students who would like to try programming. No previous programming experience is necessary. Students will learn

how to write code, use debugging, as well as understand operators, expressions and statements.

VISUAL BASIC PROGRAMMING II Credit: .5

Course Number: #2325 **P**
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: Visual Basic Programming I

This course continues the fundamentals started in the first course as students begin to work with more advanced items and continue to build their skills in this programming language.

PLTW COMPUTER SCIENCE PRINCIPLES Credit: 1

Course Number: #2680
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: none

This course is designed to help students get started in programming using a variety of methods. Student will start with simple block programming in making games in Scratch and will move to some more complex items by creating apps with AppInventor. As students' skills and understanding improves they will begin working with the Python programming language. A variety of topics as applied to programming will be discussed and students are encouraged to work together in order to solve problems. No previous programming experience is necessary.

WEB DESIGN & INTERNET APPLICATIONS I Credit: .5

Course Number: #2315 **P**
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: none

This course is designed for the beginning Web page designer. Students will be expected to understand the process of developing a Website including the different purposes and formats of Website. Using HTML 5, CSS, Photoshop, and Notepad ++, students will build, update, and evaluate Web pages.

WEB DESIGN & INTERNET APPLICATIONS II Credit: .5

Course Number: #2316
 Qualifications: KBOR elec
 Grade Level: 11, 12
 Fees: none
 Prerequisite: Web Design & Internet Applications I

This course is designed for the advanced Web page designer. Utilizing previous skills learned, students will create, enhance, and add graphics to new and existing Web pages. Students will also be introduced to basic Java Script in coordination with HTML 5.

BUSINESS MANAGEMENT Credit: .5

Course Number: #2430 **P**
 Qualifications: KBOR elec.
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: Intro to Business

This course will expose students to the principles of management, from the basic concepts of management, the levels of management, functions of management, management styles and leadership. An understanding of how managers implement those concepts within the various operations of a business, i.e. ethics, economic, international,

ownership types, legal, information technology, data analysis, financial risk, production, marketing, human relations, and organizational development.

PRINCIPLES OF MARKETING Credit: 1
(Available 2019-20)

Course Number: #2345
Qualifications: KBOR elec
Grade Level: 10, 11, 12
Fees: none
Prerequisite: Intro to Business

This year-long course presents the principles and concepts of marketing. Such concepts as social responsibility, economics, information management, customers, competition, social media and E-commerce, product, industry, distribution, pricing, advertising, selling, promotion, risk management, finance, management, and marketing related careers will be covered.

21st CENTURY TECHNOLOGY COMMUNICATIONS Credit: .5

Course Number: #2670
Qualifications: KBOR elec
Grade Level: 9, 10, 11, 12
Fees: none
Prerequisite: none

Communication has advanced and changed in many ways over the years. Come explore this class to truly understand how to use blogs, social networking sites, podcasts, and utilize many more tools on the Internet to communicate with the world around us. Students will also learn some of the basics of communication in print through desktop publishing and Web design. Internet access at home or outside of school is highly recommended.

COMPUTER REPAIR & NETWORKING Credit: 1.5 per semester

Qualifications:
Grade Level: 11, 12
Fees: assessed by WUIT
Prerequisite:

Computer repair courses prepare the student to become competent computer service professionals and pass the following exams: A+ Core Hardware Service Technician, A+ Operating System Technologies, Microsoft Certified Professional, and Certified Novell Administrator (CNA). The curriculum includes microcomputers, displays, storage media, printers and operating systems (Windows 9X, Windows 2000/NT, Windows XP, and Linux), directory services, security, web services, LAN/WAN technologies, and messaging services. The Computer Networking courses prepare students for Cisco Certified Network Associated (CCNA) and Microsoft Certified Professional (Windows 2000/2003 Server) certifications. The CCNA curriculum prepares a student to install, configure, and operate local, wide-area, and switched networks. Prospective students must pass the general entrance assessment with a level 5 in Applied Math and Reading for Information.

ELECTRONICS Credit: 1.5 per semester

Qualifications:
Grade Level: 11, 12
Fees: assessed by WUIT
Prerequisite:

The Electronic Technology program provides instruction and skill development to prepare the student for an entry level position in the high tech fields of electronic service, maintenance, or production. The first 540 hours of the program will include the fabrication of basic electronic circuitry with discrete passive and active devices. It will also include the systematic analysis of circuit operation and

troubleshooting of each circuit. The second phase of the program will integrate the knowledge of the first 540 hours into a system approach to troubleshooting high tech electronic systems used in industry, business, entertainment, medicine, and the home. Microprocessor families and peripheral devices will be included in the second year.

GRAPHICS TECHNOLOGY Credit: 1.5 per semester

Qualifications:
Grade Level: 11, 12
Fees: assessed by WUIT
Prerequisite:

The Graphics/Printing/Photo Technology program provides background fundamentals to many graphic arts occupations, both in laboratory experiences and related study. Shop experience includes the following: composition, electronic/desktop publishing, layout and design, darkroom procedures, use and operation of photographic equipment as related to printing, stripping, plate making, offset press operation and bindery operations. Related theory and technical study include the areas of printing materials, production, equipment, and commercial art and layout. Keyboarding skills are recommended but not required.

LEGAL OFFICE PROFESSIONAL Credit: 1.5 per semester

Qualifications:
Grade Level: 11, 12
Fees: assessed by WUIT
Prerequisite:

The legal secretary program provides students with the training necessary to become an integral member of an attorney's office, judge's office or the legal office of a corporation. Specialized courses of study include business law, legal terms, legal forms, and legal transcription in addition to general office skills. Completing students must type 60 wpm. All applicants should have a basic typing skill of 40 wpm.

OFFICE CAREERS TECHNOLOGY Credit: 1.5 per semester

Qualifications:
Grade Level: 11, 12
Fees: assessed by WUIT
Prerequisite:

This program is designed to enable students to enter the work force with marketable skills for entry-level office positions and training to enable students to move into more advanced positions.

COLLEGE & CAREER READY INTERNSHIP

Grade Level: 12
Fees: none
Prerequisite: Students must apply to the program. Requirements include: 95% attendance, minimal discipline points, recommendation from two teachers, and graduation requirements are met

The course is designed to afford students the opportunity to be matched with a career/business mentor in an active engagement of hands-on application of 21st Century employability skills. Students spend their Viking Days on campus working on employability skills and prep work for post-secondary education. Block days are spent with their career mentor.

Course	9	10	11	12
Quick Cuisine		X	X	X
Global Cuisine			X	X
Nutrition and Fitness		X	X	X
Culinary Essentials		X	X	X
Human Development	X	X	X	X
Career and Community Connections				X
Exploring Teaching I		X	X	X
Exploring Teaching II			X	X
Success 101	X			
Teen Issues	X	X	X	X
Home Interiors	X	X	X	X
Textile and Apparel	X	X	X	X
Leadership I		X	X	X
Leadership II		X	X	X
Foundations to Early Childhood Development		X	X	X
Essentials of Interior and Textile Design	X	X	X	X
Childcare			X	X
Cosmetology			X	X
Culinary Arts			X	X
College & Career Ready Internship				X

QUICK CUISINE Credit: .5

Course Number: #5300
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$28
 Prerequisite: none

A fee is charged for materials used in class. This is a course designed for the development of food preparation and management skills. Lab work will include the five food groups from My Plate: grains, dairy, fruits, vegetables and proteins. Classwork will include a combination of information regarding the selection, purchase, storage, and cooking methods used for each food group studied. The chemical properties of food, the food science principles of preparation and the study of nutrition will be integrated throughout the course.

GLOBAL CUISINE Credit: .5

Course Number: #5301
 Qualifications: KBOR elec
 Grade Level: 11, 12
 Fees: \$33
 Prerequisite: Quick Cuisine or Nutrition & Fitness

A fee is charged for materials used. This course is designed to further develop the food preparation and management skills acquired in previous foods classes. Lab work will include regional foods of the United States, the South, the Southwest, and New England. Regions included are Italy, Germany, and Latin America. Non-lab class time is used to study about the regions and foreign countries, the cooking techniques involved, as well as the history and cultural influences on the cuisine.

NUTRITION & FITNESS Credit: .5

Course Number: #5307 **P**
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$28
 Prerequisite: none

This course is designed for the student who wants to learn to cook and gain knowledge about nutritional issues at the same time. Nutrition is

stressed throughout the course as it relates to personal fitness, healthy lifestyles and wellness. Cooking labs include healthy breakfasts, snacks, main dish foods, breads, and desserts. Also, food and drink appropriate for the athlete will also be prepared and discussed.

CULINARY ESSENTIALS Credit: .5

Course Number: #5330 **P**
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$28
 Prerequisite: none

This course is designed for the student who is interested in pursuing a degree in Culinary Arts or Restaurant & Event Management. Students will learn basic food preparation skills and gain a better understanding of food production systems and food safety and sanitation. In addition, students will practice appropriate skills in the classroom and work life situations to enhance career readiness, and they will examine principles of food production management by applying effective mise en place practices and general rules of table settings and service.

HUMAN DEVELOPMENT Credit: .5

Course Number: #5320 **P**
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: \$3
 Prerequisite: none

This course will allow students to explore how humans grow and develop throughout the life cycle including: physically, social-emotionally, and intellectually. Issues regarding birth control, STIs, birth defects, health, safety, careers and teaching children including hands-on experiences will also be explored.

CAREER & COMMUNITY CONNECTIONS Credit: .5

Course Number: #5560
 Qualifications: KBOR elec
 Grade Level: 12
 Fees: none
 Prerequisite: Nutrition & Fitness, Human Development, 21st Century Personal Finance, Success 101

Are you interested in a career in Human Services? This career could range from being a chef, dietitian, nutritionist, social worker, counselor and beyond. Do you want to get a behind-the-scenes look at your future career and receive hands-on training? If so, this class is for you. Throughout the semester you will develop a portfolio with your resume and learn skills that will help you in your profession.

EXPLORING TEACHING I Credit: 1

Course Number: #5530 **P**
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$18/semester
 Prerequisite: Human Development, Success 101, and Teen Issues

This course will provide students with an introduction to teaching at the elementary, middle, and high school level. Students will plan a wide variety of learning activities and assessments for the subject of their interest and their desired classroom age level. They will be given the opportunity to present their lessons to their fellow students in the Exploring Teaching class and then to actual classes in the elementary and high school. Classroom visits will be arranged for the high school students to observe their desired age group of students and the professional teachers in action.

FAMILY AND CONSUMER SCIENCE

EXPLORING TEACHING II

Credit: 1



Course Number: #5535
Qualifications: KBOR elec
Grade Level: 11, 12
Fees: \$18/semester
Prerequisite: Exploring Teaching I

This course will provide extensive "hands-on" teaching experience at the Pre-K (Early Childhood), K-3 Elementary, 3-6 Elementary, Jr. High and High School levels. Students will have the opportunity to plan numerous lessons and learning activities for their "teaching experiences" under the guidance of the Exploring Teaching instructor and then practice teaching these lessons during actual classroom time at one of the schools in the Seaman district. Teaching will be observed and evaluated by the high school Exploring Teaching instructor.

SUCCESS 101

Credit: .5



Course Number: #5200
Qualifications: KBOR elec
Grade Level: 9 (Graduation requirement - if not completed during freshman year it must be taken before graduation.)
Fees: \$10
Prerequisite: none

This course has been strategically placed at the ninth grade level. It will allow students to identify their possible career interests, research those interests, possibly take part in a mentorship in one of those areas, and end the year with an on-line 10-year plan. This plan will take a student six years beyond high school, including both the training, schooling, or college needed in that career as well as the potential salary, job placement opportunities, etc. One of the goals of this course is to help students make very deliberate choices in support of that career plan for the last three years of their high school education.

TEEN ISSUES

Credit: .5



Course Number: #5317
Qualifications: KBOR elec
Grade Level: 9, 10, 11, 12
Fees: \$3
Prerequisite: none

This class will explore issues teens deal with. Topics include personality characteristics; relationships-in dating, marriage & family; teen pregnancy; decision-making; divorce; stress; communication skills; sexual harassment; and family violence. Students will discover more about who they are, how to maintain healthy relationships, and learn about their role in life.

HOME INTERIORS

Credit: .5



Course Number: #5306
Qualifications: KBOR elec
Grade Level: 9, 10, 11, 12
Fees: \$8
Prerequisite: none

This class is designed to introduce the student to the following areas in interior design: color schemes, furniture arrangement, floor, wall and window treatments and floor plan development for housing design. The majority of class time is spent on drawing and designing home interior projects. Students will demonstrate use of elements and principles of design, use concepts of space planning, and utilize knowledge to design a basic housing unit.

TEXTILE & APPAREL

Credit: .5

Course Number: #5305
Qualifications: KBOR elec
Grade Level: 9, 10, 11, 12
Fees: \$28
Prerequisite: none

This course is designed to introduce sewing construction. In this class students will make two projects. Students will learn sewing techniques and how to use sewing equipment. Specialty fashions, sewing accessories, and active wear are among items constructed. The course is uniquely designed to satisfy individual skills and taste with their own personal projects. A fee will be charged for project material used the first part of the class. Students will need to pay for one additional project.

LEADERSHIP I

Credit: .5



Course Number: #12315
Qualifications: KBOR elec
Grade Level: 10, 11, 12
Fees: none
Prerequisite: none

The leadership course is designed to help students to develop the knowledge and skills needed to be an effective leader. Throughout this course qualities, skills, and theories of leadership will all be examined. Students will not only explore the qualities of a leader, but also identify their leadership skills and implement their skills by developing community projects. Students will be expected to complete community service hours on their own, along with going out and serving the community in class. Book studies, guest speakers, papers and projects will all be used to help students grow in their journey to become a leader.

LEADERSHIP II

Credit: .5

Course Number: #12325
Qualifications: KBOR elec
Grade Level: 10, 11, 12
Fees: none
Prerequisite: Leadership I

Leadership II is the advanced course of the Leadership courses. Students will fine-tune their leadership skills from Leadership, while taking on more responsibility. Students will be expected to complete community service hours on their own, along with doing individualized projects that serve the district and community. Research projects, papers, guest speakers, and projects will be used to help students become even stronger leaders.

FOUNDATIONS TO EARLY

Credit: 1

CHILDHOOD DEVELOPMENT



Course Number: #5340
Qualifications: KBOR elec.
Grade Level: 10, 11, 12
Fees: none
Prerequisite: Human Development or Teen Issues (Family Studies)

This is a year-long course exploring and examining the scope of early childhood education. This course will:

- Examine career paths within early childhood education
- Apply developmentally appropriate practices in early childhood education
- Analyze curriculum and instruction to meet children's developmental needs
- Develop skills needed to ensure a safe and healthy learning environment for children
- Enhance career readiness through practicing appropriate skills in early childhood development and services applications

ESSENTIALS OF INTERIOR AND TEXTILE DESIGN Credit: .5

Course Number: #5345
 Qualifications:
 Grade Level: 9, 10, 11, 12
 Fees:
 Prerequisite: none

This course introduces students to and expands upon the various aspects of industry, conveying the commercial application of principles and elements of design, production processes, and maintenance techniques to meet the design needs of humans. This course will also provide a discussion and exploration of career opportunities in interior, textiles, and set/exhibit design. Students will analyze career paths and demonstrate technical skills related to careers in housing, textiles and apparel. Students will also apply basic and complex color schemes and color theory to develop and enhance visual effects as well as generate design that takes into consideration environmental, technical, and economic trends and issues.

CHILDCARE Credit: 1.5 per semester

Qualifications: **WUIT COLLEGE**
 Grade Level: 11, 12
 Fees: assessed by WUIT
 Prerequisite:

The Child Care program is designed to provide training in the processes and principles of the growth and development of children from infancy through 6 years of age. Emphasis will be placed on social, emotional, physical, intellectual, motor development, and support services relating to children. Upon completion of the program, the students should have opportunities for employment in such areas as day care centers, state institutions, teacher aides, etc.

COSMETOLOGY Credit: 1.5 per semester

Qualifications: **WUIT**
 Grade Level: 11, 12
 Fees: assessed by WUIT
 Prerequisite:

The primary purpose of this 11 credit hour course (375 clock hours) is to train the students in the basic manipulative skills, safety judgments, proper work habits, and desirable attitudes necessary to obtain licensure and for competency in entry-level positions in cosmetology or a related field. During this course the students will conduct a series of problem solving events where teamwork as well as independent thinking is in order. This course will provide reinforcement for group activities among traditional and non-traditional students. The areas of emphasis will be Professional Development, Kansas Board of Cosmetology General Laws, Rules and Regulations, The Study of Nails, Salon Ecology, Trichology, Sculpture and Hair Design.

CULINARY ARTS Credit: 1.5 per semester

Qualifications: **WUIT COLLEGE**
 Grade Level: 11, 12
 Fees: assessed by WUIT
 Prerequisite:

The course includes quantity and quality food production, sanitation and safety, nutrition, use and care of equipment, service, purchasing, menu planning, and supervision management, with practical on-the-job training in a new, modern restaurant cafe.

COLLEGE & CAREER READY INTERNSHIP

Grade Level: 12 **P**
 Fees: none
 Prerequisite: Students must apply to the program. Requirements include: 95% attendance, minimal discipline points, recommendation from two teachers, and graduation requirements are met

The course is designed to afford students the opportunity to be matched with a career/business mentor in an active engagement of hands-on application of 21st Century employability skills. Students spend their Viking Days on campus working on employability skills and prep work for post-secondary education. Block days are spent with their career mentor.

FOREIGN LANGUAGE

Course	9	10	11	12
Chinese I	X	X	X	X
Chinese II		X	X	X
German I	X	X	X	X
German II		X	X	X
German III			X	X
German IV				X
French I		X	X	X
French II			X	X
French III				X
Spanish I	X	X	X	X
Spanish II	X	X	X	X
Spanish III		X	X	X
Spanish IV			X	X
Spanish V				X
College & Career Ready Internship				X

CHINESE I Credit: 1

Course Number: #4350
 Qualifications: KBOR elec, NCAA
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: none

This beginning language class introduces students to the Mandarin Chinese language in a cultural context with an emphasis on producing meaningful, authentic communication. Students will develop proficiency in listening, speaking, reading and writing and will also learn Chinese songs and games, write calligraphy, make traditional Chinese food, and celebrate Chinese holidays.

CHINESE II Credit: 1

Course Number: #4355
 Qualifications: KBOR elec, NCAA
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: Chinese I

This course will further develop students' language skills producing meaningful, authentic communication and foster deeper levels of cultural understanding. After successfully completing this course, students will reach a survival level of Chinese listening, speaking, reading, and writing which will allow them to communicate when traveling to China.

GERMAN I Credit: 1

Course Number: #4304
 Qualifications: KBOR elec, NCAA
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: none

In this introductory, yearlong course, German is taught in a cultural context, allowing students not only to learn another language but to also increase their knowledge about Germany and other German-speaking countries in Europe. At the end of the school year, students are expected to understand and use spoken and written German for communication in selected everyday situations.

GERMAN II Credit: 1

Course Number: #4306
 Qualifications: KBOR elec, NCAA
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: German I

In this course students will build and expand on what they learned in German I, increasing their knowledge and understanding of German language and culture. They may participate in the exchange program with our partner school in Marburg, Germany. At the end of the year, students should demonstrate increased fluency and proficiency in the use of German in everyday situations.

GERMAN III Credit: 1

Course Number: #4501
 Qualifications: KBOR elec, NCAA
 Grade Level: 11, 12
 Fees: none
 Prerequisite: German II

In this course students will build and expand on what they learned in German I and II, further deepening their knowledge and understanding of the German language and culture. Students must be willing and able to work more independently than during their first two years. They may participate in our exchange program. At the end of the year, most students are expected to function reasonably well if placed in a German-speaking environment. This class may be taken for dual Washburn credit with a 3.0 cumulative GPA.

GERMAN IV Credit: 1

Course Number: #4503
 Qualifications: KBOR elec, NCAA
 Grade Level: 12
 Fees: none
 Prerequisite: German III

Any student who has successfully completed German III and wants to continue the study of German may enroll. Students will write and speak German in a variety of situations to increase vocabulary, improve reading comprehension, and further develop oral and written composition skills. Students may also participate in the exchange program.

FRENCH I Credit: 1

Course Number: #4300
 Qualifications: KBOR elec, NCAA
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: none

This course introduces students to the French language and cultures of different French-speaking countries. Students will learn elementary vocabulary and simple, but necessary, expressions. Skills and basic proficiency in reading and writing, listening and speaking the French language will be created and developed. Pronunciation and phonetics will be developed through verbal communication and listening activities in the classroom. Elementary grammar points will be covered and by the end of the year, the student should be able to converse in simple French. Students will also learn about and experience some aspects of French culture, such as history, geography, customs, holidays and foods.

FRENCH II Credit: 1

Course Number: #4302
 Qualifications: KBOR elec, NCAA
 Grade Level: 11, 12
 Fees: none
 Prerequisite: French I

Continuing where French I ended, this course reinforces and expands skills learned in Beginning French. The student will continue to develop listening and speaking skills through conversation and lab activities. Reading and writing skills will develop through exposure to short texts in French, and through the writing of short compositions in French. While new vocabulary is introduced, the focus is more on grammar and structure, allowing the students to express themselves in new ways. Exposure to culture continues throughout the year, giving students the opportunity to discover new aspects of the French people, as well as the people of other franc phonic countries.

FRENCH III Credit: 1

Course Number: #4500 COLLEGE
 Qualifications: KBOR elec, NCAA
 Grade Level: 12
 Fees: none
 Prerequisite: French II

Students will further sharpen their linguistic skills in a more independent environment. Proficiency in reading and writing, listening and speaking will continue to improve as students work towards a basic fluency in French. Students will continue to write longer, more involved compositions and read short stories in French. Verbal communications will focus on the specialized vocabulary and will include words of expressions necessary for real-life situations. Internet research and activities will be used to supplement the text, as students learn more about French-speaking countries and the diversity of the people who live there. Cultural studies will focus on history and art, culminating in a trip to the Nelson-Atkins museum in Kansas City. This class may be taken for dual Washburn credit with a 3.0 cumulative GPA.

SPANISH I Credit: 1

Course Number: #4308
 Qualifications: KBOR elec, NCAA
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: none

An emphasis will be placed on grammar, vocabulary and oral Spanish. Students will listen to and repeat sentence patterns given by the teacher and practice using Spanish in written, reading, and listening exercises. Students will listen to typical Spanish conversations and practice drills centered around real life situations. Songs, cultural references, videos, and other activities will supplement the text and workbook. By the end of the year, students should be able to carry on short conversations and to write simple sentences in Spanish commonly encountered in societal situations.

SPANISH II Credit: 1

Course Number: #4310
 Qualifications: KBOR elec, NCAA
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: Spanish I

Second year students will continue to develop grammar and vocabulary. More emphasis will be placed on listening, speaking, reading and writing in Spanish. Conversation is an objective, and students will work on correct pronunciation. A continued emphasis will be placed on the culture of Spanish-speaking countries.

SPANISH III Credit: 1

Course Number: #4302 COLLEGE
 Qualifications: KBOR elec, NCAA
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: Spanish II

Students will continue to build language skills in the areas of reading, writing, listening comprehension, and speaking. This is a yearlong, college credit optional, WU SP 101 CEP course that evolves into Level III Spanish. We will incorporate a more in-depth look at various Spanish speaking countries and cultural studies. At the end of this class, the student can expect to be well acquainted with all the structures of the language and be able to use specialized vocabulary.

SPANISH IV Credit: 1

Course Number: #4510
 Qualifications: KBOR elec, NCAA
 Grade Level: 11, 12
 Fees: none
 Prerequisite: Spanish III

Students will continue to build language skills in the areas of reading, writing, listening comprehension, and speaking. This is a yearlong, college credit optional, WU SP 103 CEP course that evolves into Level IV Spanish. Emphasis will be placed on confidence in language production. We will continue with various Spanish speaking countries and cultural studies. At the end of this class, the student can expect to be well acquainted with all the structures of the language and be able to use specialized vocabulary.

SPANISH V Credit: 1

Course Number: #4514
 Qualifications: KBOR elec, NCAA
 Grade Level: 12
 Fees: none
 Prerequisite: Spanish IV

Students will continue to build language skills in the areas of reading, writing, listening comprehension, and speaking. We will do a thorough grammar review, study contemporary/normal conversation, and will continue to encourage confidence in language production. Additionally, students will work on projects both as a group and independently. Students will be encouraged to become life-long learners of Spanish upon successful completion of fifth year.

COLLEGE & CAREER READY INTERNSHIP P

Grade Level: 12
 Fees: none
 Prerequisite: Students must apply to the program. Requirements include: 95% attendance, minimal discipline points, recommendation from two teachers, and graduation requirements are met

The course is designed to afford students the opportunity to be matched with a career/business mentor in an active engagement of hands-on application of 21st Century employability skills. Students spend their Viking Days on campus working on employability skills and prep work for post-secondary education. Block days are spent with their career mentor.

INDUSTRIAL TECHNOLOGY

Course	9	10	11	12
Introduction to Industrial Technology	X	X	X	X
Basic Technical Drawing	X	X	X	X
Computer Aided Drafting		X	X	X
Architecture/Construction Science			X	X
Basic Wood Technology	X	X	X	X
Woods: Research and Prototyping		X	X	X
Industrial Production: Woods			X	X
Basic Metals Technology	X	X	X	X
Metals: Research and Prototyping		X	X	X
Industrial Productions: Metals			X	X
PLTW Introduction to Engineering Design		X	X	X
PLTW Principles of Engineering			X	X
PLTW Engineering Design and Development (2019-20)			X	X
Advanced Systems Technology			X	X
Auto Collision Repair			X	X
Automotive Service Technician			X	X
Building Tech & Commercial Construction			X	X
Cabinet & Millwork			X	X
Deisel Mechanics			X	X
Electricity, Heating & Air Conditioning			X	X
Machine Tool Technology			X	X
Technical Drafting			X	X
Welding			X	X
College & Career Ready Internship				X

INTRODUCTION TO INDUSTRIAL TECHNOLOGY Credit: .5

Course Number: #6200
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: \$10
 Prerequisite: none

An introductory level course designed to instruct students in the basic skills necessary to all occupations in the Construction, Manufacturing & Transportation areas.

BASIC TECHNICAL DRAWING Credit: 1

Course Number: #6300
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: \$10
 Prerequisite: none

Basic Technical Drawing is an introductory course that is designed to present technical drawing as a form of communication. This course approaches drafting as the "language of industry" and is aimed at giving the student an understanding in the general principles and techniques used in the drafting field, including CAD (drawing with a computer). Drafting I gives the student an opportunity to form a solid base in understanding, reading, and developing drawings used in industry.

COMPUTER AIDED DRAFTING Credit: 1

Course Number: #6550
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$7
 Prerequisite: Basic Technical Drawing

CAD studies drafting and its theories through the use of a computer drawing program. Focus will be on applying drawing and graphics principles to the medium of the computer. The student will be expected to use higher level thinking and problem solving skills to complete computer drawing projects. Upon satisfactory completion of this class, students will have reached a skill level that should enable them to operate the CAD programs at Seaman with reasonable proficiency. This skill should open doors for the student who wishes to pursue CAD as a career.

ARCHITECTURE/CONSTRUCTION SCIENCE Credit: 1

Course Number: #6500
 Qualifications: KBOR elec
 Grade Level: 11, 12
 Fees: none
 Prerequisite: Computer Aided Drafting or Teacher Permission

Architectural Drafting/Construction Science is a combination technical drawing class and a residential construction class. This class is recommended for students with a career goal of architect, engineer, construction science major, or contractor. The student will be introduced to residential construction principles, materials and processes common to modern house construction. Students will learn these concepts through a "hands-on" opportunity made possible through a partnership between our program and Topeka Habitat for Humanity. Community service points are a possibility through this class. The student is challenged to use construction and design principles to develop a set of plans based on what is learned in the construction phase of this course. This class involves drawing, model making, hands-on activities in construction, people skills, team-work, intense work ethic and drawing and problem solving with computer aided drafting. The student can expect to work hard in this class and at times be subjected to uncomfortable weather conditions such as rain and cold.

BASIC WOOD TECHNOLOGY Credit: 1

Course Number: #6302
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: \$10
 Prerequisite: none

This course is designed to develop a basic understanding of woods, their properties and applications as used in the industrial manufacturing process. Related fields of instruction include all which are integral technologies involved in computerized manufacturing.

WOODS RESEARCH & PROTOTYPING Credit: 1

Course Number: #6308
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$15
 Prerequisite: Basic Woods Technology

This course challenges the student to construct a prototype through research and development techniques as found in modern industry. Computer Aided Drafting is recommended. The student must solve materials and processes problems in developing that prototype. The prototype will be critically analyzed to improve and produce subsequent prototypes.

INDUSTRIAL PRODUCTION: WOODS Credit: 1

Course Number: #6310 **P**
 Qualifications: KBOR elec
 Grade Level: 11, 12
 Fees: none
 Prerequisite: Basic Woods Technology and Wood Research and Prototyping

Industrial production is an upper level course, which focuses on technical industrial processes. Products will be client originated which will be used as a source to develop a manufacturing sequence. The sequence will start with technical drawings and include all processes, which will be necessary to produce a finished product.

BASIC METALS TECHNOLOGY Credit: 1

Course Number: #6304 **P**
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: \$22
 Prerequisite: none

This course is designed to develop a basic understanding of metals, their properties and applications as used in the industrial manufacturing process. Related fields of instruction include sheet metal, hot and cold metal work, gas welding, arc welding, mig welding, dc welding, plasma arc cutting, cutting torch, safety procedures, all which are integral, technologies involved in computerized manufacturing.

METALS RESEARCH & PROTOTYPING Credit: 1

Course Number: #6305 **P**
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$11
 Prerequisite: Basic Metals

This course challenges the student to construct a prototype through research and development techniques as found in modern industry. The student must solve materials and processes problems in developing that prototype. The prototype will be critically analyzed to improve and produce subsequent prototypes.

INDUSTRIAL PRODUCTION: METALS Credit: 1

Course Number: #6312
 Qualifications: KBOR elec
 Grade Level: 11, 12
 Fees: none
 Prerequisite: Basic Metals and Metals: Research and Prototyping

Industrial production is an upper level course, which focuses on technical industrial processes. Products will be client originated which will be used as a source to develop a manufacturing sequence. The sequence will start with technical drawings and include all processes, which will be necessary to produce a finished product.

PLTW INTRODUCTION TO ENGINEERING DESIGN Credit: 1

Course Number: #11360
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: none

Students will dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.

PLTW PRINCIPLES OF ENGINEERING Credit: 1

Course Number: #11375
 Qualifications: KBOR elec.
 Grade Level: 11, 12
 Fees: none
 Prerequisite: Concurrent enrollment in Math III, completion of Introduction to Engineering Design recommended

This course is a foundation course of the high school engineering pathway. This survey course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and kinematics. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science and technology.

PLTW ENGINEERING DESIGN AND DEVELOPMENT Credit: 1

(Available 2019-20) **P**

Course Number: 11380
 Qualifications: KBOR elec.
 Grade Level: 11, 12
 Fees: none
 Prerequisite: Introduction to Engineering and Principles of Engineering

This course will not be offered until the 2019-20 school year. It is added here to inform students of the final course that will be offered in the PLTW Engineering sequence.

The knowledge and skills students acquire through PLTW Engineering Design and Development as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing Engineering Design and Development ready to take on any post-secondary program or career.

ADVANCED SYSTEMS TECHNOLOGY Credit: 1.5 per semester

Qualifications: **WUIT COLLEGE**
 Grade Level: 11, 12
 Fees: assessed by WUIT
 Prerequisite:

The Industrial Technology course includes instruction in electrical theory, basic wiring, and introduction to programming logic controls. Also studied are electrical safety, lockout/tagout, electromagnetic motor controls, 3-phase/single phase/DC motors, electrical, mechanical blueprint, schematic reading, PLC's, hydraulic and pneumatic systems. Careers in this area include maintenance mechanic, PLC technician/mechanic, conveyor maintenance mechanic, and machine repair.

AUTO COLLISION REPAIR Credit: 1.5 per semester

Qualifications: **WUIT COLLEGE**
 Grade Level: 11, 12
 Fees: assessed by WUIT
 Prerequisite:

The course includes all phases of auto body repairing and repainting, the use of modern hand and power tools and equipment, as well as handling typical auto body repair jobs. Related theory and technical instruction includes the study of physical principles of metals and fiberglass, principles of welding, finishing materials, paint, lacquers, and terminology used in the auto body repair industries.

INDUSTRIAL TECHNOLOGY

AUTOMOTIVE SERVICE TECHNICIAN Credit: 1.5 per semester

Qualifications: **WUIT COLLEGE**
Grade Level: 11, 12
Fees: assessed by WUIT
Prerequisite:

The automobile course includes areas of training as follows: engine overhaul, carburetors, brakes, wheel alignment, tune-up, electrical systems and power trains. Related theory and technical study includes the study of physical principles as they relate to the construction, maintenance and servicing of automotive vehicles.

BUILDING TECH & COMMERCIAL CONSTRUCTION Credit: 1.5 per semester

Qualifications: **WUIT COLLEGE**
Grade Level: 11, 12
Fees: assessed by WUIT
Prerequisite:

This program is designed to include training in blueprint reading, masonry, drywall, AutoCAD, concrete plumbing, electrical, demolition, carpentry, and HVAC sheet metal. Upon completion of the program, the students should have opportunities for employment in the construction field.

CABINET & MILLWORK Credit: 1.5 per semester

Qualifications: **WUIT COLLEGE**
Grade Level: 11, 12
Fees: assessed by WUIT
Prerequisite:

This program will include furniture and cabinet design, the selection of woods and other materials and the proper use of tools and machines. Students will also learn a variety of furniture construction methods as well as finishing procedures. Graduates will have employment opportunities in furniture manufacturing, home cabinet making and installation and in furniture repair and refinishing. In addition, the training would be beneficial in hardware and furniture sales careers.

DEISEL MECHANICS Credit: 1.5 per semester

Qualifications: **WUIT COLLEGE**
Grade Level: 11, 12
Fees: assessed by WUIT
Prerequisite:

The course includes repair and maintenance of several types of diesel equipment. Instruction will be given in tune-up and overhauling diesel engines, transmissions and differentials. Some of the types of engines, transmissions and differentials used will be Caterpillar, Mack, Fuller, Allison and Rockwell Easton. Course of instruction will also include tune-up and adjustment of various types of equipment. Emphasis will be placed on safety, and the proper care and use of tools and test equipment.

ELECTRICITY, HEATING & AIR CONDITIONING Credit: 1.5 per semester

Qualifications: **WUIT**
Grade Level: 11, 12
Fees: assessed by WUIT
Prerequisite:

The course covers safety, blueprint reading, light and power equipment, and study of national electrical code. Four primary areas of Electricity: Electrical Construction, Basic Electrical theory, Basic wiring, and Residential/Commercial Electricity. Heating & Air Conditioning course include instruction on safety, blueprint reading, gas-pipe fitting, the Uniform Mechanical Code, hydronics, both

electricity and gas heating, heat pumps and advanced training in the areas of residential and commercial refrigeration and air-conditioning. The Electricity and Heating Course emphasis will prepare students for employment in electrical construction and maintenance and any of the industries utilizing heating, air-conditioning and or refrigeration.

MACHINE TOOL TECHNOLOGY Credit: 1.5 per semester

Qualifications: **WUIT COLLEGE**
Grade Level: 11, 12
Fees: assessed by WUIT
Prerequisite:

The Machine Tool course provides an opportunity to train in the operation of machine tools including the following: engine lathe, shaper, milling machine, surface grinder, universal grinder, internal and external cylindrical grinding, cutter grinder, Rockwell hardness tester, drill press, hydraulic controlled tracer machines and optical comparator. Related and technical information includes metallurgy, heat treating, blueprint reading, sketching, micrometers, angles, tapers, gearing, fractions, and decimals.

TECHNICAL DRAFTING Credit: 1.5 per semester

Qualifications: **WUIT COLLEGE**
Grade Level: 11, 12
Fees: assessed by WUIT
Prerequisite:

The course includes instruction in all phases of drafting, the proper use of drafting tools and machines, preparing reproductions and writing specifications. Related theory and technical instruction includes the study of algebra, geometry and trigonometry, as well as scientific and physical principles of numerous construction and manufacturing materials. In addition, this instruction will include the study of construction, manufacturing and drafting technology and (CAD) computer aided drafting.

WELDING Credit: 1.5 per semester

Qualifications: **WUIT COLLEGE**
Grade Level: 11, 12
Fees: assessed by WUIT
Prerequisite:

The Welding course provides training in the following areas: oxy-acetylene welding in the flat, vertical and overhead positions, manual flame cutting of cast iron and steel, heli-welding of aluminum and stainless steel in the flat and vertical positions, sigma welding in the flat and vertical, arc in the flat, vertical, horizontal, and overhead positions. Related and technical information includes: metallurgy, tempering, heat treating, blueprint reading, identification of metals, expansion and contraction of metals, principles of oxy-acetylene processes and general welding processes.

COLLEGE & CAREER READY INTERNSHIP

Grade Level: 12 **P**
Fees: none
Prerequisite: Students must apply to the program. Requirements include: 95% attendance, minimal discipline points, recommendation from two teachers, and graduation requirements are met

The course is designed to afford students the opportunity to be matched with a career/business mentor in an active engagement of hands-on application of 21st Century employability skills. Students spend their Viking Days on campus working on employability skills and prep work for post-secondary education. Block days are spent with their career mentor.

Course	9	10	11	12
Freshman Language Arts	X			
Freshman Honors Language Arts	X			
Sophomore Language Arts		X		
Sophomore Honors Language Arts		X		
Junior Language Arts			X	
Junior Honors Language Arts			X	
Advanced Placement English				X
Freshman Composition I/WU				X
College Prep Composition				X
Technical Writing				X
Greek Mythology				X
Shakespeare				X
Workplace Reading Essentials				X
Creative Writing		X	X	X
Introduction to Theatre	X	X	X	X
Advanced Acting	X	X	X	X
Seaman Players	X	X	X	X
Advanced Technical Theatre		X	X	X
Playwriting/Directing for the Theatre			X	X
Beginning Acting: Improv	X	X	X	X
21st Century Journalism	X	X	X	X
Digital Media Technology	X	X	X	X
Beginning Digital Photo: Photo Imaging	X	X	X	X
Yearbook: Digital Media Design & Production			X	X
Clipper: Digital Media Design & Production			X	X
Broadcast Journalism I: Audio/Video Production Fundamentals	X	X	X	X
Broadcast Journalism II: Video Production		X	X	X
Introduction to Filmmaking		X	X	X
Beginning Speech & Drama	X	X	X	X
Exploring Communications	X	X	X	X
Debate I-II	X	X	X	X
Forensics	X	X	X	X
College Speech/WU				X
Reading Strategies	X	X		
Emergency Communications				X
College & Career Ready Internship				X

FRESHMAN LANGUAGE ARTS **Credit: 1**

Course Number: #7010
 Qualifications: KBOR
 Grade Level: 9
 Fees: none
 Prerequisite: none

This course develops the students' skills in reading, writing, speaking, listening, viewing, and critical thinking through a variety of units. Effective composition is the focus of the fall semester, and critical reading is the focus of the spring semester. Students will have the opportunity to reflect on each unit to demonstrate growth and real world application. This course is aligned to the College and Career Readiness Standards for reading and writing and 21st Century Learning Skills.

FRESHMAN HONORS LANGUAGE ARTS **Credit: 1**

Course Number: #7010 **W**
 Qualifications: KBOR
 Grade Level: 9
 Fees: none
 Prerequisite: none

This course is designed for accelerated 9th grade students. In addition to the regular freshman language arts program, this course will offer an enriched program of literature, composition, and other related skills. Students will gain a deeper understanding of reading, writing, speaking, listening, viewing and critical thinking through a variety of units. This course is aligned to the College and Career Readiness Standards for reading and writing and 21st Century Learning Skills.

SOPHOMORE LANGUAGE ARTS **Credit: 1**

Course Number: #7102
 Qualifications: KBOR, NCAA
 Grade Level: 10
 Fees: none
 Prerequisite: Freshman Language Arts

Grammar and composition principles are applied focusing on the study of writing, short stories, novels, drama, and non-fiction prose.

SOPHOMORE HONORS LANGUAGE ARTS **Credit: 1**

Course Number: #7100 **W**
 Qualifications: KBOR, NCAA
 Grade Level: 10
 Fees: none
 Prerequisite: Freshman Language Arts with a grade of A or B and teacher recommendation

This course is designed for accelerated 10th grade students. The program will cover basic SLA guidelines in literature and grammar. In addition to the regular sophomore language arts program, these students will have an enriched program of literature, composition, and other related skills including ACT preparation. Introduction to different composition methods will be correlated with grammar and vocabulary studies to improve the students' writing abilities.

JUNIOR LANGUAGE ARTS **Credit: 1**

Course Number: #7402
 Qualifications: KBOR, NCAA
 Grade Level: 11
 Fees: none
 Prerequisite: Sophomore Language Arts

Junior Language is primarily an American literature survey course. The writing process is emphasized during the junior year and the six-trait writing assessment model is applied to the writing. Research methods are also taught in JLA. ACT preparation is also included.

JUNIOR HONORS LANGUAGE ARTS **Credit: 1**

Course Number: #7400 **W**
 Qualifications: KBOR, NCAA
 Grade Level: 11
 Fees: none
 Prerequisite: Honors Sophomore Language Arts with a grade of A or B

This is a junior level class designed to meet the needs of students who consistently show high ability in language arts on achievement tests and in classroom performance. The purpose of this class is to study American literature and writers, to develop critical reading and writing skills, to continue work with the writing process, and to prepare for the ACT test. (This course is a prerequisite for AP English.)

LANGUAGE ARTS

ADVANCED PLACEMENT ENGLISH

Credit: 1

Course Number: #7600

COLLEGE W

Qualifications: KBOR, NCAA

Grade Level: 12

Fees: none

Prerequisite: Honors Junior Language Arts with a grade of A or B

AP English is a full year course for motivated students who have consistently demonstrated proficiency in reading, comprehending and responding to challenging literature. Through the close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students will find that literature helps us understand others and ourselves, reflects the human condition, and deals with universal themes. Students will also continue to work with the writing process and to further develop critical reading and writing skills. Students may elect to demonstrate their achievement by taking the Advanced Placement English Examination in Literature and Composition, administered in May. Students may also enroll at Washburn University for 3 or 6 hours of college credit.

FRESHMAN COMPOSITION I / WU

Credit: .5

Course Number: #19000

COLLEGE

Qualifications: KBOR, NCAA

Grade Level: 12

Fees: assessed by participating college/university

Prerequisite: 3.0 cumulative GPA

Freshman Composition I is designed to prepare students for the tasks facing them as academic writers. The course provides study and practice in the essentials of the writing process, emphasizing the prewriting, planning, drafting, and revision techniques that are vital elements in the process approach. The final exam is a portfolio of student work that demonstrates an understanding of revision and reflection, and it is worth 30% of the student's overall grade.

COLLEGE PREP COMPOSITION

Credit: .5

Course Number: #7602

Qualifications: KBOR, NCAA

Grade Level: 12

Fees: none

Prerequisite: Grade of C or better in Junior Language Arts

This course is a composition class designed for college-bound seniors and meets the requirement for the senior writing semester. It is one of three choices to fill this requirement.

TECHNICAL WRITING

Credit: .5

Course Number: #7630

Qualifications:

Grade Level: 12

Fees: none

Prerequisite: Junior Language Arts

Technical Writing is designed to prepare students to write for the business and technical profession. A central feature of the course will be learning the purposes and designs of several formats and how to use them effectively. Although professional writing is largely informative, students will also develop informative writing with a persuasive purpose. In order to persuade, information must be tailored to the intended audience.

GREEK MYTHOLOGY

Credit: .5

Course Number: #7613

Qualifications: KBOR, NCAA

Grade Level: 12

Fees: none

Prerequisite: Junior Language Arts

This is an elective literature class, which will focus on Greek mythology. The students will demonstrate critical thinking skills through the integration of reading, writing, speaking, and listening.

SHAKESPEARE

Credit: .5

Course Number: #7607

Qualifications: KBOR, NCAA

Grade Level: 12

Fees: none

Prerequisite: Junior Language Arts

Students will read and critically analyze through discussion and writing several of Shakespeare's greater known works as well as other lesser-known plays. Students will relate the timeless themes of these works to our own society. This class is highly recommended for college-bound students.

WORKPLACE READING ESSENTIALS

Credit: .5

Course Number: #7640

Qualifications:

Grade Level: 12

Fees: none

Prerequisite: Junior Language Arts

This course will inform students about current societal issues and practical document readings, such as leases, tax forms, and other legal documents. Students will be assessed by demonstrating comprehension and application of concepts taught through non-fiction readings and writings, as well as performance projects.

CREATIVE WRITING

Credit: .5

Course Number: #7510

Qualifications: KBOR elec, NCAA

Grade Level: 10, 11, 12

Fees: none

Prerequisite: none

This elective course is designed to expose students to a new variety of thinking and writing styles. Students will learn how to observe, record, and analyze their thoughts and surrounding and transfer these ideas into creative writing pieces. The main objectives of this course are to explore various forms of poetry and prose writing and to experiment with these forms in one's own writing.

INTRODUCTION TO THEATER

Credit: .5

Course Number: #7300

Qualifications: KBOR elec, NCAA

Grade Level: 9, 10, 11, 12

Fees: none

Prerequisite: none

This is a general survey course for those who are interested in the basics of theatre performance as well as the backstage and technical theatre experience. All aspects of theatre are included, as well as a background of theatre history to present time. Students will learn the basics of mime, movement, make-up design, stage managing, set design, props, storytelling, diverse forms of theatre, characterization, auditioning, musical theatre, improvisation, playwrights from Shakespeare to Neil Simon and much more.

ADVANCING ACTING **Credit: .5**

Course Number: #7301
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: Introduction to Theatre or Teacher Permission

This class is geared to help those who are seriously interested in developing acting abilities. Units include characterization, stage movement, vocal production, and improvisation. The students will perform a minimum of two duets, two monologues, and one one-act play. The one act will be performed for an audience on the main stage.

SEAMAN PLAYERS **Credit: 1**

Course Number: #7314
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: By Audition

This is an advanced theatre performance class where students will primarily rehearse and then perform improvisation productions and workshops for the area schools and various community events. The course also includes advanced acting skills, vocal production, comedy effects, stage movement, clowning, children's theatre, and dramatic interpretation.

ADVANCED TECHNICAL THEATER **Credit: 1**

Course Number: #7501
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: Introduction to Theatre

Admission to this course is based on an application and possibly an interview. Applications may be obtained from the instructor three weeks before the end of the preceding semester. Applicants will be notified one week prior to enrollment of acceptance. Students in this class are required to be at all technical rehearsals three weeks prior to production dates as well as the nights of each show, as this class becomes the stage crew for all live productions at Seaman High School.

PLAYWRITING/DIRECTING FOR THEATER **Credit: .5**

Course Number: #7704
 Qualifications:
 Grade Level: 11, 12
 Fees: none
 Prerequisite: Teacher Permission

Students will study in depth analysis of plays, including comedy and drama. Students will master the processing of dialogue in terms of motivation of characters to advance the story. Students will produce original scenes for a One-Act play and then direct those specific scenes using student actors in a show for the public at the end of the semester.

BEGINNING ACTING & IMPROVISATION **Credit: .5**

Course Number: #7705
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: Introduction to Theatre

This course is for the student who is interested in performing comedy and improvisation. Basics of characterization, physical humor, vocal dialects, comedic set ups, audience participation, conflict and

resolution of scene work. This course is highly recommended as a prerequisite for students who are interested in auditioning for SEAMAN PLAYERS, as well as the fall play and musical.

21st CENTURY JOURNALISM **Credit: .5**

Course Number: #7220
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: \$10
 Prerequisite: Introduction to Theatre

This course teaches students all aspects of high school print and broadcast media as a preparation for further enrollment into print or broadcast programs in future semesters. Upon completion of 21st Century Journalism, students may go into Digital Media Technology, Beginning Digital Photo, or Broadcast Journalism I.

DIGITAL MEDIA TECHNOLOGY **Credit: .5**

Course Number: #7225
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: 21st Century Journalism

This course prepares students for work on Clipper or Yearbook in upcoming semesters. Students will also help update the seamannews.com website. Expect a wide range of projects in writing and design. Students will continue the portfolio began in 21st Century Journalism.

BEGINNING DIGITAL PHOTO: PHOTO IMAGING **Credit: .5**

Course Number: #7230
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: \$10
 Prerequisite: 21st Century Journalism

This course is recommended for beginners with an interest in the basics of good picture taking and computer integration. Much computer lab work and some writing are required. This course prepares students to be photographers for the publication classes upon adviser approval. You must have your own camera (beyond your cell phone) to take this class.

YEARBOOK: DIGITAL MEDIA DESIGN & PRODUCTION **Credit: 1**

Course Number: #7240
 Qualifications: KBOR elec
 Grade Level: 11, 12
 Fees: \$10
 Prerequisite: 21st Century Journalism and Digital Media and Advisor Consent

Classes will meet until the yearbook is completed. This may require work after commencement. The students will plan, organize, and prepare the Seaman yearbook. Those enrolled will write copy and headlines, sell ads, plan layouts, and take pictures.

CLIPPER: DIGITAL MEDIA DESIGN & PRODUCTION **Credit: 1**

Course Number: #7245
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$10
 Prerequisite: 21st Century Journalism and Digital Media and Advisor Consent

This class acts as a workshop in journalism with a student staff whose sole purpose is to produce the Clipper, the high school's newspaper.

LANGUAGE ARTS

The staff plans, writes, and edits stories for the Clipper. They also lay out the pages, write headlines, take photographs, sell advertising and keep the books and business records related to the production of the paper. They also create the content for seamannews.com, the school website.

BROADCAST JOURNALISM I: Credit: .5

AUDIO/VIDEO PRODUCTION FUNDAMENTALS **P**

Course Number: #7250

Qualifications:

Grade Level: 9, 10, 11, 12

Fees: \$10

Prerequisite: 21st Century Journalism and Advisor Consent

If you would like to explore some of the possibilities available in television, radio, and computers—this class is for you. During the course students will be expected to develop and produce a variety of media presentations on assigned subjects. These projects could include a daily television program and other projects including public service announcements, commercials, and news stories.

BROADCAST JOURNALISM II: Credit: .5

AUDIO/VIDEO PRODUCTION FUNDAMENTALS **P**

Course Number: #7255

Qualifications: KBOR elec

Grade Level: 10, 11, 12

Fees: \$10

Prerequisite: Broadcast Journalism I and Advisor Consent

This course is a continuation of Broadcast Journalism. During this course students will be expected to develop and produce a variety of media presentations on assigned subjects, meet deadlines, and help in the production of a weekly broadcasted show. These projects will be produced for local television, local cable, and other broadcast-based media outlets.

INTRODUCTION TO FILMMAKING Credit: .5

Course Number: #7350

Qualifications: KBOR elec

Grade Level: 10, 11, 12

Fees: \$10

Prerequisite: Broadcast Journalism I and Advisor Consent

Students will learn all aspects of filmmaking, including writing, producing, directing, lighting, shooting, and editing. This will be achieved through analysis of feature films, lecture, critiquing the work of other filmmakers, and hands on production. Students will become part of a production team to create a film.

BEGINNING SPEECH & DRAMA Credit: .5

Course Number: #7303

Qualifications: KBOR elec

Grade Level: 9, 10, 11, 12

Fees: none

Prerequisite: none

The aim of this course is to help a student communicate his/her ideas and opinions to others in a direct, forceful and well-reasoned manner. Students will learn aspects of both public speaking and drama. The emphasis within public speaking units is overcoming fear of speaking and on principles of good speech. Students will apply these principles in various speaking assignments. The emphasis within drama units is understanding basic elements of acting and technical aspects of theater. Students will apply these elements and aspects into theater based projects.

EXPLORING COMMUNICATION Credit: .5

Course Number: #7340

Qualifications: KBOR elec

Grade Level: 9, 10, 11, 12

Fees: none

Prerequisite: none

Students will explore various types of communications. Students can choose units of communication that include mass communication, poetry interpretation, prose interpretation, stage acting, competitive acting, theater tech, script writing, informative speaking, persuasive speaking, impromptu speaking, and extemporaneous speaking. Each unit will contain a final product reflecting the type of communication, such as a podcast, radio show, poetry performance, stage monologue, writing a one-act script, etc. In addition to final projects students will chose, on his/her own, a secondary project within that field of communication using a variety of technology.

DEBATE I-11 Credit: .5

Course Number: #7205

Qualifications: KBOR elec

Grade Level: 9, 10, 11, 12

Fees: none

Prerequisite: none

Through intra-class debates and discussion, students learn research and debate techniques that will prepare them for interscholastic debate contests. Students will compete in several contests during the fall season. In this course the student learns to research and organize materials in depth on a single topic, to speak effectively under pressures of time limitations or attack, to think with originality and relevance, to develop tolerance and an open mind, and to be a good sport. This course is designed for novice or beginning debaters with emphasis on the basics of how to debate.

FORENSICS Credit: .5

Course Number: #7304

Qualifications: KBOR elec

Grade Level: 9, 10, 11, 12

Fees: \$10

Prerequisite: none

Through in-class performances, students will learn speaking and acting skills. These skills will be perfected in class to performance level; then, used in competition in interscholastic speech contests. Students will compete in several of the events offered at contests during the spring season. There are ten major areas of competition: Persuasive speaking, Informative speaking, Duet acting, Dramatic interpretation, Humorous interpretation, Extemporaneous speaking, Interpretation of prose and poetry, Lincoln/Douglas debate, and Student Congress.

COLLEGE SPEECH/WU Credit: .5

Course Number: #19005

Qualifications: KBOR elec

Grade Level: 12

Fees: will be assessed by the participating college/university

Prerequisite: 3.0 cumulative GPA

This course is for college credit. This course provides the opportunity to speak on a variety of platforms, and provides instruction and experience on how to prepare for, organize, and deliver an effective speech in a variety of different contexts. Interpersonal communication is emphasized. In addition, training in listening and evaluation of communication are also studied.

READING STRATEGIES**Credit: .5**

Course Number: #7110

Qualifications:

Grade Level: 9, 10

Fees: none

Prerequisite: Teacher/Counselor Recommendation

This course is geared towards students who need additional support in reading. Focused on comprehension, students will develop strategies to help them manage and understand text, especially long-form text including close-reading technique, note-taking, and summarization. In addition, students will practice and develop their knowledge of sentence structure, grammar, and vocabulary as it applies to more effective reading. The course contains both online components and in-class, text-based practice. The course included exposure to a variety of short and long-form texts including a novel.

EMERGENCY COMMUNICATIONS**Credit: 1.5 per semester**

Qualifications:

WUIT

Grade Level: 12 (must be 18 years of age)

Fees: assessed by WUIT

Prerequisite:

This two-semester program provides graduates with the necessary telecommunications skills and knowledge to be effective in serving the public's needs as part of the local law enforcement, emergency preparedness or any other dispatch system. Our 19-credit hour program includes classroom and clinical instruction including contact hours with dispatchers from both county and city law enforcement offices. Upon successful completion, you will receive a technical certificate from the Kansas Board of Regents and be prepared to take the NIMS certification exam. You must be 18 years of age by March 1, 2017, to enroll in this program.

COLLEGE & CAREER READY INTERNSHIP

Grade Level: 12

P

Fees: none

Prerequisite: Students must apply to the program. Requirements include: 95% attendance, minimal discipline points, recommendation from two teachers, and graduation requirements are met

The course is designed to afford students the opportunity to be matched with a career/business mentor in an active engagement of hands-on application of 21st Century employability skills. Students spend their Viking Days on campus working on employability skills and prep work for post-secondary education. Block days are spent with their career mentor.

MATHEMATICS

Course	9	10	11	12
Math I	X			
Math I Lab	X			
Math I Honors	X			
Math II		X		
Math II A		X		
Math II Honors		X		
Math III			X	
Math III A			X	
Math III Honors			X	
AB AP Calculus				X
College Algebra/WU				X
College Prep Algebra				X
Statistics/WU				X
College & Career Ready Internship				X

MATH I Credit: 1

Course Number: #8400
 Qualifications: KBOR
 Grade Level: 9
 Fees: none
 Prerequisite: none

Students study linear relationships. Students will use data from experiments and statistical ideas, such as standard deviation, to develop a formulas to model situations. Students use principles about similar triangles and basic trigonometry to develop formulas for finding the length of a shadow and other situations. Students deepen their understanding of the relationship between equations and inequalities and their graphs. Students will develop the basic principles for working with exponents.

MATH I LAB Credit: .5

Course Number: #8410
 Qualifications: KBOR
 Grade Level: 9
 Fees: none
 Prerequisite: Teacher Recommendation and Concurrent Enrollment in Math I

This class is designed to complement and enhance the skills students are acquiring in their Math I course. Lab provides daily reinforcement of newly acquired skills. The additional instruction time helps students master the Math I course objectives.

*Students will receive math credit for this course only if they also pass Math I, otherwise it will count as an elective credit.

MATH I HONORS Credit: 1

Course Number: #8400 W
 Qualifications: KBOR
 Grade Level: 9
 Fees: none
 Prerequisite: Teacher Recommendation

Students enroll in Math 1 and Honors Math 1 concurrently. Students spend Honors Math 1 extending the topics covered in Math 1: linear equations and graphs, normal distributions and standard deviation, similar and congruent polygons, entry level trigonometry, and linear programming.

MATH II Credit: 1

Course Number: #8420
 Qualifications: KBOR, NCAA
 Grade Level: 10
 Fees: none
 Prerequisite: Math I

Students will study quadratic equations and functions, deductive reasoning, triangles and quadrilaterals, circles and coordinate geometry, area models for probability, surface area and volume, and basic topics in trigonometry.

MATH II A Credit: 1

Course Number: #8430
 Qualifications: KBOR
 Grade Level: 10
 Fees: none
 Prerequisite: Teacher Recommendation and concurrent enrollment in Math II

Math II A is designed to cover the same curriculum as the Math II course. Although the concepts are identical, the format of the class allows students to cover topics at a slower pace as well as experience additional practice time. Students enroll in this course for TWO blocks and it meets everyday.

MATH II HONORS Credit: 1

Course Number: #8425 W
 Qualifications: KBOR
 Grade Level: 10
 Fees: none
 Prerequisite: Teacher Recommendation

Math II Honors extends the work students do with quadratics functions, develops the basic concepts of matrix mathematics, extends vocabulary and analysis of polynomial functions, and extends the algebra of rational exponents. Students will complete one project each quarter.

MATH III Credit: 1

Course Number: #8440
 Qualifications: KBOR, NCAA
 Grade Level: 11
 Fees: none
 Prerequisite: none

Students will study linear and exponential growth and decay models based on population and investment data, logarithms, concepts of slope including an introductory view of derivatives, advanced topics in trigonometry, function families, and a comprehensive review of algebra topics.

MATH III A Credit: 1

Course Number: #8450
 Qualifications: KBOR
 Grade Level: 11
 Fees: none
 Prerequisite: teacher recommendation

Math III A is designed to cover the same curriculum as the Math III course. Although the concepts are identical, the format of the class allows students to cover topics at a slower pace as well as experience additional practice time. Students enroll in this course for TWO blocks and it meets everyday.

MATH III HONORS

Credit: 1

Course Number: #8455 **W**
 Qualifications:
 Grade Level: 11
 Fees: none
 Prerequisite: Honors Math II OR Math II with teacher approval

This course follows the Math III curriculum with deeper exploration into topics including logarithmic properties, polar coordinates, and advanced topics in trigonometry. Projects and extensions will be required course elements.

AP CALCULUS AB

Credit: 1

Course Number: #8600 **COLLEGE W**
 Qualifications: KBOR, NCAA
 Grade Level: 12
 Fees: none
 Prerequisite: Honors Math III OR Math III with teacher approval

This course prepares students for the Advanced Placement Calculus AP Exam given each spring by The College Board. Students cover the topics of Elementary Functions, Differential Calculus, and Integral Calculus. A graphing calculator is required. A Ti-82, Ti-83+ or TI-84 is recommended. TI-89 AND TI-92 are prohibited. Students are not required to take The Advanced Placement Exam.

COLLEGE ALGEBRA/WU

Credit: .5

Course Number: #19003/19013 **COLLEGE**
 Qualifications: KBOR, NCAA
 Grade Level: 12
 Fees: will be assessed by participating college/university
 Prerequisite: 3.0 cumulative GPA and a 22 on the ACT math section OR 3.0 cumulative GPA and completion of College-Prep Algebra with at least a B

Covers basic topics in algebra, including the solution of linear and quadratic equations, factoring, graphing, inequalities, rational and irrational numbers, functions, logarithms, determinants and matrices.

COLLEGE STATISTICS/WU

Credit: .5

Course Number: #8501 **COLLEGE**
 Qualifications: KBOR, NCAA
 Grade Level: 12
 Fees: will be assessed by participating college/university
 Prerequisite: 3.0 cumulative GPA and completion of College Algebra OR 25 on math section of ACT

This course includes basic concepts of probability and statistics. The course covers permutations and combinations, measure of central tendency and variation, discrete and continuous distributions, sampling, regression and correlation.

COLLEGE PREP ALGEBRA

Credit: .5

Course Number: #8620
 Qualifications: KBOR, NCAA
 Grade Level: 12
 Fees: none
 Prerequisite: Grade of C or better in Math III

This class is designed for students who did not qualify for College Algebra. Students will be taught skills necessary for passing the entrance exam for College Algebra such as simplifying radical and rational expressions, solving linear, quadratic, rational, and radical equations and inequalities, and graphing linear and quadratic equations.

COLLEGE & CAREER READY INTERNSHIP

P

Grade Level: 12
 Fees: none
 Prerequisite: Students must apply to the program. Requirements include: 95% attendance, minimal discipline points, recommendation from two teachers, and graduation requirements are met

The course is designed to afford students the opportunity to be matched with a career/business mentor in an active engagement of hands-on application of 21st Century employability skills. Students spend their Viking Days on campus working on employability skills and prep work for post-secondary education. Block days are spent with their career mentor.

MUSIC

Course	9	10	11	12
Viking Marching Band	X	X	X	X
Freshman Concert Band	X			
Wind Ensemble	X	X	X	X
Symphonic Band	X	X	X	X
Jazz Ensemble I	X	X	X	X
Jazz Ensemble II	X	X	X	X
Percussion Class	X	X	X	X
College Prep Music				X
Music Theory and Ear Training				X
Orchestra	X	X	X	X
Chamber Orchestra	X	X	X	X
Concert Choir	X	X	X	X
Show Choir	X	X	X	X
Treble Choir	X	X	X	X
History of Rock & Roll		X	X	X
Drill Team	X	X	X	X
College & Career Ready Internship				X

VIKING MARCHING BAND Credit: .5

Course Number: #9300
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: \$10
 Prerequisite: Director Approval

Membership in this group is for students who have reached a certain degree of excellence in their instrumental work. New students to the district will need to get permission from the director of bands to enroll. The band performs for football games, parades, marching contests, and two seasonal concerts. Tuesday night rehearsals and weekend performances are required through October. The Fall Marching Band includes Band, Color Guard and Drill Team members in the high school. The student will develop skills necessary to communicate and express feelings through the language of music.

FRESHMAN CONCERT BAND Credit: .5

Course Number: #9329
 Qualifications: KBOR elec
 Grade Level: 9
 Fees: none
 Prerequisite: enrollment in Viking Marching Band first semester and audition

All freshman students that were not placed in Wind Ensemble are automatically enrolled in 5th hour Freshman Concert Band. An audition for chair placement is a requirement. Students in this ensemble will perform grade 2-3 literature and will use this class period to further develop their performance skills. The Freshman Concert Band also has the opportunity to participate in the biannual band trip.

WIND ENSEMBLE Credit: .5

Course Number: #9325
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: enrollment in Viking Marching Band first semester and audition

This ensemble is a select group made up of the top performers from the overall band program and meets during 5th hour. Students must audition to perform with this group. Auditions will be held in the first nine weeks of each fall semester. This group will rehearse grade 4,5 and 6 literature and perform three concerts and compete at State Large Ensemble Contest. Members will be assigned to a pep band for basketball games and will have the option of participating in a trip every other year.

SYMPHONIC BAND Credit: .5

Course Number: #9327
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: enrollment in Viking Marching Band first semester and audition

Symphonic band is our second competitive ensemble that meets during 7th hour. Entrance in this ensemble is required with an audition for chair placement. All students enrolled in Viking Marching Band in the fall semester are welcome to join. Literature selections will range from 3-4 and will explore all styles of music. Members will be assigned to a pep band for basketball games. Symphonic Band members will also be given the option of participating in the biannual trip.

JAZZ ENSEMBLE I Credit: .5

Course Number: #9301
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: enrollment in Viking Marching Band first semester and audition

The purpose of Jazz Ensemble I is to expose musicians drawn from the Viking Band to a wide variety of musical styles, techniques, and cultures. Students will learn and perform big band swing, pop-rock, Latin funk, and many other musical styles. Emphasis on improvisation and basic music theory will be included as well. This group will consist of 4-5 trumpets, 4 trombones, 2 altos, 2 tenors, and 1 baritone saxophone. In addition, piano, electric or upright bass, and drum set will make up the group's rhythm section. Students will be required to audition for placement in Jazz Ensemble I in the spring the previous year. Students wishing to enroll in SHS Jazz Ensemble must be concurrently enrolled in SHS Concert Band, unless permission to enroll is given by the instructor.

JAZZ ENSEMBLE II Credit: .5

Course Number: #9302
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: concurrent enrollment in band

The purpose of Jazz Ensemble II is to expose musicians drawn from the Viking Band to a wide variety of musical styles, techniques, and cultures. Students will learn and perform big band swing, pop-rock, Latin, funk, and many other musical styles. Emphasis on improvisation and basic music theory will be included as well. Enrollment is open for any member of the Viking band that has a desire to play jazz music. Instruments include: trumpet, trombone, saxophone, guitar, bass guitar, piano, and drum set.

PERCUSSION CLASS Credit: 1

Course Number: #9315
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: Instructor Approval

This ensemble will explore mallet, hand drum, and multi-percussion techniques through various musical styles and cultures. Students will perform at select concerts and contests during the semester.

COLLEGE PREP MUSIC Credit: .5

Course Number: #9502
 Qualifications: KBOR elec
 Grade Level: 12
 Fees: none
 Prerequisite: Instructor Approval

This course is to help students prepare for college with an interest in music either for a Major, Minor, or auditioning for a scholarship. The students will be exposed to college professors, campuses, campus life, and introduced to curriculum requirements involved in their first year of college. Each student will set goals at the beginning of the semester aiding them to observe, analyze, audition, and be accepted into the college of their choice. Class time will be used for these goals and touring colleges and observing teachers in the field they wish to join.

MUSIC THEORY & EAR TRAINING Credit: .5

Course Number: #9501
 Qualifications: KBOR elec
 Grade Level: 12
 Fees: none
 Prerequisite: Instructor Approval

This class is designed to give students advanced knowledge of basic music theory and ear training skills. Music fundamentals, scales, rhythms, harmony, texture, counterpoint, harmonic and rhythmic progressions, tonality, and a 4-part dissection and writing, as well as many other topics will be covered. The primary purpose of the class is to prepare students for theory classes at the college level; however, the class will provide very practical and fundamental musical knowledge that is commonplace and applicable to every day musical performance and discussion. The student shall develop divergent approaches to problem solving through music.

ORCHESTRA Credit: 1

Course Number: #9313
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: Instructor Approval

Membership in the Seaman High School orchestra is for students who have reached a certain level of excellence in their string playing. New students to the district or the class will need to get permission from the orchestra teacher to enroll. The orchestra performs mainly at concerts and contests.

CHAMBER ORCHESTRA Credit: 1

Course Number: #9335
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: By Audition

Chamber Orchestra is an audition only orchestra composed of tenth through twelfth grade students. The orchestra is designed to provide a rigorous musical environment that challenges students and provides additional performance opportunities.

CONCERT CHOIR Credit: 1

Course Number: #9304
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: By Audition

Concert Choir is an auditioned ensemble for performers who wish to further their musical skills. Concert Choir performs at four school concerts each year, as well as performing for the Class 5A State Festival.

SHOW CHOIR Credit: 1

Course Number: #9306
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: By Audition

Show Choir is an auditioned ensemble for performers who practice singing, dancing, and showmanship. Show Choir performs at four school concerts each year, as well as performing throughout the community at various events.

TREBLE CHOIR Credit: 1

Course Number: #9311
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: Instructor Approval

Women's Ensemble is an ensemble for developing female voices. Women's Ensemble performs music specially designed for young women to learn proper vocal technique. Women's Ensemble performs at four school concerts each year.

HISTORY OF ROCK & ROLL

Credit: .5

Course Number: #9317
Qualifications: KBOR elec
Grade Level: 10, 11, 12
Fees: none
Prerequisite: none

The History of Rock and Roll, a semester-long elective, is an in-depth study of the origins of popular music in the 20th century and the social and historical context that gave birth to it and related genres and musical offshoots. From blues and country, to punk and heavy metal, students will familiarize themselves with landmark groups, music, and movements of different periods, exploring connections between modern music and the artists from the past that have paved the way for the popular music of the day.

DRILL TEAM

Credit: .5

Course Number: #9305
Qualifications: KBOR elec
Grade Level: 9, 10, 11, 12
Fees: none
Prerequisite: By Audition

The Drill Team is a select group of girls who are chosen through auditions. The Drill Team performs the halftime show with the Viking Marching Band at all home football games and competitions in the fall. Coursework involves improving dance skills technique and style, preparation for performances, choreography, and team-building skills. There is a uniform fee and some accessories will need to be purchased. Attendance at Seaman's Marching Camp is required.

COLLEGE & CAREER READY INTERNSHIP

Grade Level: 12

P

Fees: none
Prerequisite: Students must apply to the program. Requirements include: 95% attendance, minimal discipline points, recommendation from two teachers, and graduation requirements are met

The course is designed to afford students the opportunity to be matched with a career/business mentor in an active engagement of hands-on application of 21st Century employability skills. Students spend their Viking Days on campus working on employability skills and prep work for post-secondary education. Block days are spent with their career mentor.

Course	9	10	11	12
Physical Dimensions	X	X	X	X
Aerobics	X	X	X	X
Beginning Strength & Conditioning	X	X	X	X
Strength Training and Conditioning	X	X	X	X
Lifetime Sports	X	X	X	X
Team Sports		X	X	X
Cardio Fitness	X	X	X	X
College & Career Ready Internship				X

PHYSICAL DIMENSIONS Credit: .5

Course Number: #10101
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12 (Graduation requirement - if not completed during freshman year it must be taken before graduation.)
 Fees: \$22
 Prerequisite: none

This course is designed to provide young adults with the knowledge and skills needed to engage in a physically active, healthy lifestyle throughout life. Three areas of focus in the course include health related fitness, lifetime physical activity, and health/wellness concepts and skills. Monday of each week will be in the classroom. Block days will start out in the classroom and the last half will be spent in gym activities.

AEROBICS Credit: .5

Course Number: #10300/10301
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: \$3
 Prerequisite: none

Aerobics refers to a variety of exercises that are specifically designed to enhance the cardiovascular system. Muscular strength exercises are also emphasized. Principles of physical fitness are stressed following the guidelines of frequency, duration, and intensity.

BEGINNING STRENGTH TRAINING & CONDITIONING Credit: .5

Course Number: #10365
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: \$3
 Prerequisite: none

This class is designed to help students to improve their athletic ability. This will be done through strength training, speed development, agilities, plyometrics, and flexibility. It is designed to help students improve their total physical conditioning.

ADVANCED STRENGTH TRAINING & CONDITIONING Credit: .5

Course Number: #10305/10307
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: \$3
 Prerequisite: Beginning Strength & Conditioning or participation in summer weights

This class is designed to help students to improve their athletic ability. This will be done through strength training, speed development, agilities, plyometrics, and flexibility. It is designed to help students improve their total physical conditioning.

LIFETIME SPORTS Credit: .5

Course Number: #10340/10345
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: \$30
 Prerequisite: none

This course will stress lifetime games and activities skills involving both individual and team effort. This course consists of tennis, bowling and volleyball.

TEAM SPORTS Credit: .5

Course Number: #10350/10355
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: \$3
 Prerequisite: none

This course will stress team games and activities skills involving both individual and team effort. This course consists of basketball, ultimate Frisbee, football, team handball, soccer and softball.

CARDIO FITNESS Credit: .5

Course Number: #10360
 Qualifications: KBOR elec
 Grade Level: 9, 10, 11, 12
 Fees: \$3
 Prerequisite: none

Cardio Fitness will provide students the opportunity to improve their overall fitness level as well as the knowledge to apply principles of physical fitness throughout their lifetime. The course will incorporate the Life Fitness cardiovascular and strength training equipment. Individual needs will be assessed and solutions will be provided. The student will participate in a variety of activities designed to improve cardiovascular endurance, balance, and core stability with the goal of developing a more physically active lifestyle. Students will be training for a 5K.

COLLEGE & CAREER READY INTERNSHIP

Grade Level: 12 P
 Fees: none
 Prerequisite: Students must apply to the program. Requirements include: 95% attendance, minimal discipline points, recommendation from two teachers, and graduation requirements are met

The course is designed to afford students the opportunity to be matched with a career/business mentor in an active engagement of hands-on application of 21st Century employability skills. Students spend their Viking Days on campus working on employability skills and prep work for post-secondary education. Block days are spent with their career mentor.

SCIENCE

Course	9	10	11	12
Biology I	X			
Biology II - Genetics		X	X	X
Biology III - Microbiology		X	X	X
Environmental Science		X	X	X
Organismic Biology II - Zoology		X	X	X
Human Anatomy I		X	X	X
Human Anatomy II		X	X	X
College Biology Lecture & Lab				X
Physical Science - Pre-Physics		X	X	X
Physical Science - Pre-Chemistry		X	X	X
Physical Science - Earth & Space		X	X	X
Chemistry		X	X	X
Honors Chemistry		X	X	X
Physics			X	X
Honors Physics			X	X
PLTW Principles of Biomedical Science	X	X	X	
PLTW Biomedical Science - Human Body Systems		X	X	X
PLTW Biomedical Innovations (2019-20)			X	X
PLTW Introduction to Engineering Design (pg 24)		X	X	X
PLTW Principles of Engineering (pg 24)			X	X
PLTW Engineering Design and Development (2019-20) (pg 24)			X	X
Emergency Medical Technical			X	X
Health care Tech (Pre-Nursing)			X	X
Medical Office Specialist			X	X
Nursing Assistant			X	X
Phlebotomy			X	X
Practical Nursing			X	X
College & Career Ready Internship				X

BIOLOGY I Credit: 1

Course Number: #11300 **P**
 Qualifications: KBOR
 Grade Level: 9
 Fees: none
 Prerequisite: none

Biology is an introductory, lab-based life science course, centered on using basic scientific principles to develop understanding of everyday life. Units to be covered: inquiry & analysis, cells & energy, cellular organization, cell division, heredity, DNA-RNA-proteins, ecology and evolution. Twenty-first century skills and technology will be used for experimentation and reasoning; obtaining, evaluation, and communicating information; data analysis and critical thinking; and problem solving for explanations or proposed solutions.

BIOLOGY II GENETICS (LABORATORY) Credit: .5

Course Number: #11330
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: none

Genetics is a lab oriented advanced biology class to be taken as a prerequisite for Microbiology. The students will develop a better understanding of chromosomes, genes, and the molecular basis of heredity. Genetic concepts and lab techniques learned from this class will be applied in Biology III–Microbiology.

BIOLOGY III MICROBIOLOGY (LABORATORY) Credit: .5

Course Number: #11335
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: none

Microbiology is a lab oriented advanced biology class which emphasizes microbiological techniques and procedures. Concepts learned in genetics will be applied and demonstrated in the study of microorganisms. Topics will include bacteria, viruses, identification and control of microbes, and current issues in microbiology.

ENVIRONMENTAL SCIENCE Credit: .5

Course Number: #11370
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: Biology

This course surveys key topic areas including the application of scientific process to environmental analysis; ecology; energy flow; ecological structures; earth systems; and atmospheric, land, and water science. Topics also include the management of natural resources and analysis of private and governmental decisions involving the environment. Students explore actual case studies and conduct hands-on, unit research activities. Students will learn about global issues that impact the environment and the use of resources that require accurate application of scientific processes, including proper data collection and responsible conclusions.

ORGANISMIC BIOLOGY II - ZOOLOGY Credit: .5

Course Number: #11345
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: none

Zoology is a life science course designed for basic study of the animal kingdom. Instruction will focus on structure and function, life histories, identification, and the importance of animals to humans. Dissections will be a major component of lab activities. Scientific naming, classification, and evolution will be emphasized as a continuation of Organismic Biology 1.

HUMAN ANATOMY I (LABORATORY) Credit: .5

Course Number: #11350 **P**
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: none

Human Anatomy is the study of the relationship of the structure and function of the systems of the human body. Human Anatomy I will be a prerequisite for Human Anatomy II. The class uses a basic college level text and is designed for students who will take Anatomy and Physiology as part of their college requirements. Human Anatomy I will cover the basic principles, tissues and the first half of the major body systems. Topics covered include the scientific method, the human organism, cell structure and function, tissues, the integumentary system, and the skeletal system.

HUMAN ANATOMY II (LABORATORY)

Credit: .5

Course Number: #11355

Qualifications: KBOR, NCAA

Grade Level: 10, 11, 12

Fees: none

Prerequisite: Human Anatomy I

Human Anatomy II will be the continuation of Human Anatomy I. The major dissection in this section will be the pig. Other dissections include the cow eye, sheep brain and cow heart. Topics include the muscular system, nervous system, senses, heart, blood vessels and circulation, respiration, and digestion.

COLLEGE BIOLOGY LECTURE & LAB/WU

Credit: 1

Course Number: #19030

Qualifications: KBOR, NCAA

Grade Level: 12

Fees: will be assessed by participating college/university

Prerequisite: 3.0 cumulative GPA

This is a year-long class that includes both lecture and laboratory activities. Lecture includes an introduction to the major principles and theories of Biology: genes, evolution, cell biology, and the structure and function of the major kingdoms of life. The introductory lab activities examine the structure and function of organisms. Two sections of special academic interest include Health Emphasis and General Education Emphasis both of which qualify as General Education Courses. This course qualifies as a General Education course, but is not applicable toward credit for biology major requirements. Students must pass both sections in order to receive credit for the course.

PHYSICAL SCIENCE - PRE-PHYSICS

Credit: .5

Course Number: #11311

Qualifications: KBOR, NCAA

Grade Level: 10, 11, 12

Fees: none

Prerequisite: none

This course explores those topics generally reserved for a physics class. Using a hands-on inquiry approach students develop a conceptual understanding of physics concepts. Emphasis on math skills are minimized to the maximum extent possible. Students will be required to graph lab results and calculate slopes and solve linear equations for various variables. Topics include forces and motion; types of interactions; stability and instability in physical systems; definitions of energy; conservation of energy and energy transfer; relationship between energy and forces; energy in chemical processes and everyday life; wave properties; electromagnetic radiation; and information technologies and instrumentation.

PHYSICAL SCIENCE - PRE-CHEMISTRY

Credit: .5

Course Number: #11321

Qualifications: KBOR, NCAA

Grade Level: 10, 11, 12

Fees: none

Prerequisite: none

Using hands-on inquiry techniques, students will explore concepts in the domain of physical science. This course makes a good introduction to the content of a more rigorous college prep chemistry course. Emphasis on math skills are minimized, but students will be required to graph lab results and determine slopes as well as be able to use equations to solve for unknown values. Topics include structure and properties of matter; chemical reactions; nuclear processes; definitions of energy; conservation of energy and energy transfer;

energy in chemical processes of everyday life; and electromagnetic radiation.

PHYSICAL SCIENCE - EARTH & SPACE

Credit: .5

Course Number: #11365

Qualifications: KBOR, NCAA

Grade Level: 10, 11, 12

Fees: none

Prerequisite: none

This course allows students to explore topics related to the Earth and the universe. Using a hands-on inquiry approach, students develop conceptual understandings of the universe, our planet and the processes that occur daily. Emphasis on math skills are minimized. Topics include the universe and its starts; Earth and the solar system; the history of the planet Earth; Earth materials and systems; plate tectonics and large-scale system interactions, the roles of water in Earth's surface processes; weather and climate; biogeology; natural resources; natural hazards, and human impacts on Earth systems.

CHEMISTRY

Credit: 1

Course Number: #11501

Qualifications: KBOR, NCAA

Grade Level: 10, 11, 12

Fees: none

Prerequisite: Completed or concurrently enrolled in Math II OR completed Physical Science

This course is two semesters in length. A full year of Chemistry is recommended and required to meet regent requirements. This is a study of the physical and chemical properties of matter. Activities in the course are planned to develop skills in the use of the scientific method in problem solving, in interpreting data, and in the application of chemical principles. Chemistry I studies will include an introduction to International System of measurement, scientific method, quantum model of the atom, atomic theory, use of the Periodic Table, types of bonding and the introduction of Stoichiometry. In the second semester students activities will include nomenclature, Stoichiometry, writing and interpreting chemical formulas, balancing chemical equations, equilibrium equations, acid/base reactions and gas law.

HONORS CHEMISTRY

Credit: 1

Course Number: #11502

Qualifications: KBOR, NCAA

Grade Level: 10, 11, 12

Fees: none

Prerequisite: B or better in Honors Math I and concurrent enrollment in Honors Math II OR B or better in Math II OR C or higher in both Math II and Physical Science

This course is designed to meet the needs of students who show a high ability in the area of math science and are considering a career in science or medical profession. Activities in this class are to expand on the knowledge base acquired by first year chemistry students. The course will cover much of the same topics but in greater detail including gas laws, thermodynamics and an introduction to Organic Chemistry.

SCIENCE

PHYSICS

Credit: 1

W

Course Number: #11310
Qualifications: KBOR, NCAA
Grade Level: 11, 12
Fees: none
Prerequisite: Math II

This is a year-long course that will examine in detail the concepts of motion, force and energy. This course is a hands-on guided inquiry course that is designed to prepare students for the rigors of university coursework for non-science majors. Topics include motion and stability; forces and interactions; energy; waves and their applications in technologies for information transfer; engineering design links among engineering; and technology, science and society.

HONORS PHYSICS

Credit: 1

Course Number: #11504
Qualifications: KBOR, NCAA
Grade Level: 11, 12
Fees: none
Prerequisite: Math II

This course is distinguished by the inclusion of significant inclusion of trigonometry. Additional projects as well as local and national design contests will be assigned to students. Technical writing will be emphasized. Topics will include motion and stability; forces and interactions; energy, waves and their applications in technologies for information transfer; engineering design links among engineering; technology, science and society.

PLTW PRINCIPLES OF BIOMEDICAL SCIENCE

Credit: 1

P

Course Number: #11400
Qualifications: KBOR, NCAA
Grade Level: 9, 10, 11
Fees: none
Prerequisite: Biology

This course provides an introduction to biomedical science through exciting hands-on projects and problems. Students investigate concepts of biology and medicine as they explore various health conditions. The activities and projects introduce students to medicine and research processes, and allow students to design experiments to solve problems. Key biological concepts, including maintenance of homeostasis in the body, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum.

PLTW BIOMEDICAL - HUMAN BODY SYSTEMS

Credit: 1

P

Course Number: #11410
Qualifications: KBOR, NCAA
Grade Level: 10, 11, 12
Fees: none
Prerequisite: Principles of Biomedical Science

In this course students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal mannequin, work through interesting real world cases, and often play the role of biomedical professionals to solve medical mysteries. Students practice problem solving with structured activities and progress to open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

PLTW BIOMEDICAL INNOVATIONS

Credit: 1

(Available 2019-20)

P

Course Number: #11420
Qualifications: KBOR
Grade Level: 11, 12
Fees: none
Prerequisite: Principles of Biomedical Science and Biomedical - Human Body Systems

In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology.

They have the opportunity to work on an independent project with a mentor or advisor from a university, medical facility, or research institution.

EMERGENCY MEDICAL TECHNICIAN

Credit: 1.5 per semester

WUIT

Qualifications:
Grade Level: 11, 12 (must be 17 years of age)
Fees: assessed by WUIT
Prerequisite:

This one semester program prepares students for this fast-paced job. It is a pre-requisite for becoming a paramedic, and is a recommended for students interested in careers in which they might be considered a first-responder such as a firefighter or policeman.

HEALTH CARE TECH (PRE-NURSING)

Credit: 1.5 per semester

WUIT

Qualifications:
Grade Level: 11, 12 (12 Preferred)
Fees: assessed by WUIT
Prerequisite:

The Pre-Nursing class is designed to introduce the students to medical terminology and basic health occupational skills that relate to the various levels of nursing. The student who successfully completes this class receives a Washburn Tech certificate and will be eligible for the CNA and Home Health Aide certificate. This is a 3-hour-per-day program for one semester.

MEDICAL OFFICE SPECIALIST

Credit: 1.5 per semester

WUIT P COLLEGE

Qualifications:
Grade Level: 11, 12
Fees: assessed by WUIT
Prerequisite:

A medical secretary is a member of the medical team. Their chief concern is with medical grammar, ability to comprehend and follow instructions, ability to be accurate in detail and a professional approach toward confidential information.

NURSING ASSISTANT

Credit: 1.5 per semester

WUIT

Qualifications:
Grade Level: 2nd semester seniors
Fees: assessed by WUIT
Prerequisite:

The Nursing Assistant program is the beginning level for members of the health care team. The program is 18 days, full-time, 138 hour course, designed to prepare men and women over 16 years of age, in providing basic personal care to patients in a hospital or nursing home, under the supervision of a L.P.N. or R.N.

PHLEBOTOMY Credit: 1.5 per semester

Qualifications:

WUIT **P**

Grade Level: 11, 12

Fees: assessed by WUIT

Prerequisite:

This one semester program prepares for blood draws and needle work. This program is recommended for students going into nursing or the medical field.

PRACTICAL NURSING Credit: 1.5 per semester

Qualifications:

WUIT COLLEGE

Grade Level: 2nd semester seniors

Fees: assessed by WUIT

Prerequisite:

The Practical Nursing program provides an opportunity for the student to learn basic scientific principles and concepts of nursing related to nursing care of mothers and infants, children, individuals with common medical and surgical conditions, the aged, and individuals with mental and emotional problems. After satisfactory completion of the program, the practical nurse is eligible to take the state examination to be licensed. Prerequisites include college Anatomy and Physiology.

COLLEGE & CAREER READY INTERNSHIP

Grade Level: 12

P

Fees: none

Prerequisite: Students must apply to the program. Requirements include: 95% attendance, minimal discipline points, recommendation from two teachers, and graduation requirements are met

The course is designed to afford students the opportunity to be matched with a career/business mentor in an active engagement of hands-on application of 21st Century employability skills. Students spend their Viking Days on campus working on employability skills and prep work for post-secondary education. Block days are spent with their career mentor.

SOCIAL STUDIES

Course	9	10	11	12
Modern World History	X			
World History II		X	X	X
The American Civil War		X	X	X
Introduction to Philosophy			X	X
Race and Ethnic Relations		X	X	X
World Geography	X	X	X	X
General Psychology			X	X
Advanced Psychology			X	X
U.S. History I-II			X	X
AP U.S. History			X	X
AP U.S. Government				X
U.S. Government I: The Constitution and the Three Branches				X
U.S. Government II: Current Social Issues				X
U.S. Government II: Civil and Criminal Rights				X
Colonial and Revolutionary America: Causes, Conflict and Consequences		X	X	X
Government & Public Administration Fundamentals		X	X	X

MODERN WORLD HISTORY Credit: 1

Course Number: #12306
 Qualifications: KBOR
 Grade Level: 9
 Fees: none
 Prerequisite: none

This course is a survey in Modern World History from approximately 1300 to present times. Topics include: The Renaissance, European Exploration, Revolutions, World War I and II, and The Cold War. This course is designed to challenge students to analyze and interpret primary sources and then apply their knowledge of such sources and historical events to make sense of current issues and everyday life.

WORLD HISTORY II Credit: .5

Course Number: #12308
 Qualifications: KBOR, NCAA
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: none

This course is designed to serve as an introduction to the history of ancient civilization. The study of some of the world's great civilizations including Mesopotamia, Egypt, Greece, Rome, China, India, and Mesoamerica Civilizations such as the Incas and the Aztecs will be emphasized.

THE AMERICAN CIVIL WAR Credit: .5

Course Number: #12013
 Qualifications: KBOR, NCAA
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: none

A detailed survey of the Civil War beginning with the conclusion of the Mexican-American War in 1848 through the end of reconstruction in 1877. Topics to be covered include the political crisis of the 1850's, the relative military strengths and weaknesses of the North and the South, the major battles and military campaigns of the war, and the process of reconstruction.

INTRODUCTION TO PHILOSOPHY Credit: .5

Course Number: #12501
 Qualifications: NCAA
 Grade Level: 11, 12
 Fees: none
 Prerequisite: none

The ability to think critically and constructively is indispensable. If one understands how to think clearly, then the techniques of critical thinking can be applied in the study of any discipline or the pursuit of any occupation. This course is designed to provide the student with an introduction to the basic ideas of philosophical thought. Topics include the nature and purpose of philosophy; principles of reasoning; ancient philosophy; the life, trial, and death of Socrates; modern philosophy; and the nature of man and reality; and utilitarianism. Readings of secondary and primary sources including Plato, Thomas Hobbes, John Locke, Rene Descartes and John Stuart Mill will be required.

RACE & ETHNIC RELATIONS Credit: .5

Course Number: #12507
 Qualifications: KBOR, NCAA
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: none

The purpose of this course is to promote positive interaction among and awareness of cultural groups in America. Emphasis will be placed upon research, presentations, enrichment activities, and individual projects that will be used to build unity at school and in the community.

WORLD GEOGRAPHY Credit: .5

Course Number: #12310
 Qualifications: KBOR, NCAA
 Grade Level: 9, 10, 11, 12
 Fees: none
 Prerequisite: none

This course is designed to aid students in gaining a better understanding of differences and similarities between major regions of the world. Political subdivisions and important physical features will be covered, as well as map-reading skills. Emphasis will be on the interaction between land and people, including such topics as landforms, climate, history, resources and land use, linkages, and population.

GENERAL PSYCHOLOGY Credit: .5

Course Number: #12303
 Qualifications: KBOR, NCAA
 Grade Level: 11, 12
 Fees: none
 Prerequisite: none

A brief overview of the basic areas of psychology including History, Learning, Memory and Thought, Body and Behavior, Sensation and Perception, Infancy and Childhood, Adolescence.

ADVANCED PSYCHOLOGY Credit: .5

Course Number: #12304
 Qualifications: KBOR, NCAA
 Grade Level: 11, 12
 Fees: none
 Prerequisite: General Psychology

This course is for students who want to study more specific areas of psychology. Motivation and emotions, personality and individuality, adjustment and breakdown and human relations will be featured.

U.S. HISTORY I-II **Credit: 1**

Course Number: #12402
 Qualifications: KBOR, NCAA
 Grade Level: 11, 12
 Fees: none
 Prerequisite: none

First Semester (I) Topics to be covered include: industrialization, immigration, The Reform Era, World War I, social changes of the 1920's, the great Depression and the New Deal
 Second Semester (II) topics to be covered include: World War II, the Cold War, Civil Rights; economic, social, and political issues of the 1960's through the present.

ADVANCED PLACEMENT U.S. HISTORY **Credit: 1**

Course Number: #12400 **COLLEGE W**
 Qualifications: KBOR, NCAA
 Grade Level: 11, 12
 Fees: none
 Prerequisite: teacher/counselor recommendation

This course in U.S. History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials--their relevance to given interpretive problem, their reliability, and their importance--and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. An additional purpose of this course will be to help students prepare for the optional AP exam in the spring.

This class may be taken for dual Washburn credit with a 3.0 cumulative GPA.

ADVANCED PLACEMENT U.S. GOVERNMENT **Credit: 1**

Course Number: #12611 **COLLEGE W**
 Qualifications: KBOR, NCAA
 Grade Level: 12
 Fees: none
 Prerequisite: teacher/counselor recommendation

This course is designed to give students an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific public policies. Topics in this course include: 1. Constitutional Underpinnings of the United States, 2. Policy making institutions, 3. Political Beliefs and Behaviors, 4. Political Parties and Interest Groups, and 5. Civil Rights and Civil Liberties. An additional purpose of this course will be to help students prepare for the optional AP exam.

*This class may be taken for dual Washburn Credit with a 3.0 cumulative GPA.

U.S. GOVERNMENT I: THE CONSTITUTION & THREE BRANCHES **Credit: .5**

Course Number: #12600
 Qualifications: KBOR, NCAA
 Grade Level: 12
 Fees: none
 Prerequisite: none

This course is designed to give students a better understanding of basic governmental principles underlying the Constitution by studying it in detail and then applying that knowledge to the study of each of the three branches of government. Students will synthesize this information by participating in a simulation (either a mock trial or a model legislature).

U.S. GOVERNMENT II: CURRENT SOCIAL ISSUES **Credit: .5**

Course Number: #12606
 Qualifications: KBOR, NCAA
 Grade Level: 12
 Fees: none
 Prerequisite: none

Students who elect to take this course will examine current social problems that range from personal to global in scope. Students will be expected to research and read literature and participate in forum-style classroom discussions on the issues designated for study.

U.S. GOVERNMENT II: CIVIL & CRIMINAL RIGHTS **Credit: .5**

Course Number: #12607
 Qualifications: KBOR, NCAA
 Grade Level: 12
 Fees: none
 Prerequisite: none

Students will examine the guarantees established in the Constitution and trace their development over the course of its history. The focus of this class will be on the federal court system and the guarantees established in the Bill of Rights- especially freedoms of religion, speech, press, assembly and petition, privacy, and equal justice under the law.

COLONIAL AND REVOLUTIONARY AMERICA: CAUSES, CONFLICT AND CONSEQUENCES **Credit: .5**

Course Number: #12335
 Qualifications: KBOR elec
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: none

This course will examine the political, military, economic, and social issues present in colonial and revolutionary America from roughly 1760-1800. This course will delve deeper into the lives of those affected by the Revolution, including Native Americans, African Americans, women, and white farmers as well as the traditional narrative of the Founding Fathers. Major topics will include the ideological origins of the Revolution and the development of American constitutionalism.

GOVERNMENT & PUBLIC ADMINISTRATION FUNDAMENTALS **Credit: .5**

Course Number: #12330 **P**
 Qualifications:
 Grade Level: 10, 11, 12
 Fees: none
 Prerequisite: none

This course will look at meeting the needs of the U.S. culture through positions within Government and Public Administration. Topics will include the role of government in providing services for the US population, the impact of the U.S. on other nations as well as the impact of other nations on the U.S. and the professional traits required of those in this field. In addition, it will look at the problem solving and critical thinking processes, and the leadership and teamwork practices.

Counselors

For sophomores through seniors, there is one counselor per division of the alphabet A-G, H-O, and P-Z. There is another counselor dedicated to the Freshmen Center. They will aid students in career planning, college selection, scholarship applications, testing, technical school applications, and personal help.

Social Worker

The school social worker is a part of the total educational team, working with students who are experiencing social, emotional, or environmental problems that interfere with his/her academic success.

Psychologists

Referrals for academic or psychological testing for a student can be made by classroom teachers to the respective counselor, by a parent meeting with the counselor, or by the counselor's recommendation. The proper forms are filled out and sent to the Special Services Department, which then assigns a psychologist. Testing, staffing, and a parent meeting occurs before a student is placed with any service other than the regular classroom.

Homebound Services

Students who are not able to attend classes for even one hour of one day by a doctor's decision may have academic instruction arranged for them through their assigned counselors. Parents need to call the school to inform the counselor of this need, and it is subject to administrative approval.

Gifted Education Program

The Gifted Education Program at Seaman High School is designed as a resource/pull-out based model. The goal of the gifted program is to provide a positive resource to help those students identified as having potential for outstanding performance by virtue of superior intellectual abilities. The gifted facilitator will work with each individual student in a capacity that best fits their varied and complex needs. Intellectual needs can be met by enrolling in honors or advanced placement classes. Because of the varied interests, performance levels and needs of the students, goals will be determined at a yearly IEP (Individualized Education Program) conference.

Interrelated

The interrelated program is designed to meet the needs of students who would not be able to profit from regular academic classes without special services support. Students may be referred to the program by a parent, teacher or counselor after other interventions have

proven unsuccessful. Diagnostic tests for each individual student are administered in accordance with the State Department of Education requirements. If a student qualifies for the program, an individual education program (I.E.P.) is developed. When the student reaches the age of 14, an individual transition plan will be included, addressing post secondary goals. Each student's education program is unique, focusing on the needs of the student. Students are included in the general education curriculum at every level of academics in which they can be successful creating a continuum of services. Accommodations and modifications are utilized to ensure the success of all children. Educational content, level, and plans are based upon individual needs and requirements for graduation. Students needing significant curriculum modification may be enrolled in a resource class. In this setting, students will receive high school course work meeting district and state requirements for graduation in the core curriculum subjects. Preparing the student for post secondary education instruction, independent living, and the world of work are goals of the program.

Important Miscellaneous Information

Fees - Annual fees are assessed for textbook rental, technology, and parking permits. Some classes have fees for materials used. Fee amounts are provided at registration. All fees are approved by the Board of Education and subject to change each year.

Progress Reports - Progress reports are given to students at the end of a nine weeks' period. Final grades are given at the end of each semester and only semester grades are recorded on the official transcript.

Honors and Awards Program - An evening program is held in the spring to recognize recipients of departmental honors, academic letters, presidential academic fitness awards, and major scholarships.

Incomplete Grades - Only students who have been excusably absent and require additional time to complete missed work are given an incomplete grade. It is then the responsibility of the student to contact the teacher for make-up work and complete it within the required time period. Incomplete grades are to be made up no later than two weeks after a grading period ends. If more time is needed due to medical or family emergencies, it should be arranged through the administration.

Part-Time Students - Freshman, sophomore and junior students must be enrolled for all eight class periods both semesters. Classes taken at Washburn Institute of Technology are considered the same as courses taken at the high school. Seniors must enroll in a full schedule of eight classes the first semester. Seniors may enroll part-time second semester with a written request from parents. Students must see their counselor for specific details. Students who wish to take part in athletics, theatre, musicals, and other extracurricular activities must be enrolled in at least five hours of classes of full unit weight. Teacher aide or office aide classes do not qualify as full unit weight credit.

Pass/Fail Options - Junior or senior students may elect to take any one of his/her subjects each semester on a pass/fail basis for a maximum of one credit per year and no more than two such credits shall apply

for graduation. It is recommended that the student and parent review his/her academic record and post high school plans with the counselor before making a decision to elect this option. Furthermore, in the current pass/fail system, an "A" earned in a class taken pass/fail shall be posted on the official transcript as an "A." If the grade earned is a "B," "C," or "D," then the grade shall be posted as "Pass" on the official transcript. If the grade earned is an "F," then a "Fail" shall be posted on the official transcript. In order to be named Summa Cum Laude, students cannot take a course pass/fail. In addition, a pass will be calculated as D for a student's core GPA for NCAA eligibility.

Scholastic Honor Roll - At the end of each semester, Honor Rolls will be posted.

- To achieve the A Honor Roll, a student must earn a GPA of 4.0 or above on a weighted scale.
- To achieve the High B Honor Roll, a student must earn a 3.5 to 3.99 GPA on a weighted scale.
- To achieve the B Honor Roll, a student must earn a 3.0 to 3.49 GPA on a weighted scale.

Students must be working at grade level or above to be eligible for graduation honors.

Transcript Review - Counselors watch progress toward graduation and a student's graduation progress can be found in PowerSchool. A course that has been successfully completed is listed on the graduation progress page. Periodically, junior and senior students are furnished with a copy of their graduation progress. Parents, guardians and students may access graduation progress at any time through their PowerSchool login. It is imperative that students and parents keep completely informed concerning progress toward graduation.

Withdrawing from a Class

Students who wish to withdraw from a course may do so without penalty up to ten attendance days in the semester. If a student withdraws after the tenth day of attendance, a withdraw failing grade will be recorded on the student's transcript, unless there are extenuating circumstances. In these cases an administrative decision will be made.

WU Concurrent Enrollment Partnership (WECEP) Requirements

WECEP courses are limited to juniors and seniors who have at least a 3.0 cumulative high school GPA. All CEP students must attend a program orientation session. Students must pay tuition by a date determined by WU. All other WU policies apply to the CEP program (and WECEP courses) and can be found in the current edition of the University catalog and the Registration Information Guide (RIG) available online at the web addresses below.

www.washburn.edu/academics/course-schedule

Assessments—District and State

MAP - This test is designed to measure the students' academic progress in reading and math. The test adapts to each student's comprehension level. The results show what the student is ready to learn and other accurate, useful information. This test is given to freshmen.

ENGAGE - ACT ENGAGE measures students' motivation, social engagement, and self-regulation. This test is administered to freshmen.

KANSAS ASSESSMENTS - These exams are designed by the State of Kansas to evaluate students in the areas of math, science, reading, and

writing. Students take the assessments when teachers determine they are ready, but students must take the assessments prior to the end of their junior year.

PSAT/NMSQT - (Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualification Test) This is a multiple choice test that measures verbal, mathematical reasoning and writing abilities important for success in college. This is a voluntary test for any junior wishing to qualify for the National Merit Scholarship program.

ACT - (American College Test) This test is required for college-bound seniors that are planning to attend any Kansas college and many out-of-state colleges. The four areas covered are mathematics, reading, English and science reasoning. To be eligible for most academic scholarships, the student must take this test on the October or December dates.

SAT - (Scholastic Aptitude Test) Many out of state colleges will require this test. It covers mathematics, language arts, and science reasoning. The student should check with the specific college of his/her choice for their requirements. Tests are usually scheduled for October, November, December, January, March, May, and June. For specific testing dates and registration information, go to www.collegeboard.com.

Non-Categorized Course Offerings

College Online Independent Study - 19050

With administrative permission, a senior may take an online course during the school day as one of seven classes available. An online course may not be used as a substitute for an SHS or WU Dual Credit Course without specific administrative permission. Additional fees for online classes will be charged and payable to the university, and students must supply proof of enrollment and proof of payment prior to beginning class. Credit and grades for online courses will be handled similarly to dual credit courses taught at SHS.

Workplace Experience - 22998

Workplace Experience courses provide students with work experience in a field related to their interests. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Aides and Assistants -- Juniors and seniors may enroll as proctors in all offices, and as assistants in the library, and with some classroom teachers as requested by the teachers. Individuals who wish to help in the daily operations of administrative or counseling offices, or in the library or should apply to the office of their choice and make sure their name is listed. Students applying for these positions must have excellent attendance. Teacher assistants should interview with the teacher and then secure an application for this position from the counseling center before enrollment. To complete the application, the teacher must list the activities the student agrees to do. One half credit is awarded at the end of the semester. A grade of pass or fail will be assigned. Assistants will receive credit or no credit. (This grade will not affect the grade point average for the purpose of determining class rank.) Students wanting to be teacher assistants must have approval through an assistant principal's office. In order to be named Summa Cum Laude, students cannot serve as a library, office, or teacher assistant at the high school.

Independent Study (500) -- Independent study is designed to afford individual students an opportunity to pursue an area of special interest in breadth or in depth, and thus expand the offerings in our educational program. To qualify, a student should have at least a "B"

average in his schoolwork. The project must be arranged with a teacher prior to enrollment. Upon satisfactory completion of the proposed plan, one-half credit or one full credit shall be awarded (depending upon the length and difficulty of the study). The sponsoring teacher has the right to give no credit if the project is not completed. Teachers will limit independent study students to two per semester.

College & Career Ready Internship (560) -- This course is designed for the graduating senior. Preparing students for the work environment is a critical component of his/her educational experience. The course is designed to afford students the opportunity to be matched with a career/business mentor in an active engagement of hands-on application of 21st Century employability skills. Students spend their Viking Days on campus working on employability skills and prep work for post-secondary education. Block days are spent with their career mentor. Students must apply to the program. Requirements include: 95% attendance, minimal discipline points, recommendation from two teachers, and graduation requirements are met.

Directed Studies (750) - The Directed Studies program at Seaman High is designed to help students recover credits previously missed or (in the case of transfer students) earn credits that were not required at a previous school, but are required at Seaman High. Generally, enrollment in the program replaces an elective credit. The curriculum for the Directed Studies program is delivered through Edgenuity, an on-line program. It is an all-encompassing curriculum designed to meet the requirements of the particular course in which students are enrolled. In some cases, students may earn more than one credit during a single semester by demonstrating mastery of material at an accelerated pace. If a student fails their Directed Studies course, he/she may not re-enroll in the program the next semester.

Gifted Program - Student Directed Study (5610) -- This is a challenging dynamic course that enables the student to pursue topics and subjects of personal, collegiate or future professional interest not normally available in the regular curriculum. This class is limited only by the scholar's imagination and desire to learn and apply themselves. Additionally, students have the opportunity to enrich the high school curriculum, study for college entrance exams, or develop other unique proposals as negotiated with the instructor. Activities will include college preparatory vocabulary development, critical and creative thinking skills, current events discussion utilizing Bloom's taxonomy, and an independent project.

Individual universities have different requirements. Students should consult the college catalogues in the guidance office to determine any additional prerequisites for advanced study. College-bound students should also strongly consider enrolling in a pathway as part of their electives. Please note that these recommendations vary slightly from the Board of Regents required pre-college curriculum.

Completion of the Kansas Scholars Curriculum is one of the requirements Kansas residents must meet in order to receive State Scholar designation. This occurs during the senior year of high school.

Kansas Scholars Curriculum

Students that complete this curriculum and meet the other requirements, may be designated as State Scholars, which makes one eligible to receive the Kansas State Scholarship as provided by the Kansas Legislature. The academic profile of recent scholars include an average ACT of 30 and an average GPA of 3.91. State Scholars may receive up to \$1,000 annually for up to four undergraduate years (five, if enrolled in a designated five-year program), based on financial need and the availability of State funds. Financial need is measured by federal methodology using data submitted on the FAFSA.

COMPARISONS OF PRE-COLLEGE CURRICULA			
Content Area	Units Required for Qualified Admissions (KU, KSU, PSU, WSU, ESU, FHSU)	Units Required for Kansas Scholars Curriculum	Years Required for NCAA Eligibility Division I & II-16 Core (1 Core Credit = a full year)
English	<ul style="list-style-type: none"> • 4 years required • English 9, 10, 11, 12, full year • Journalism, speech and drama credits do not count 	<ul style="list-style-type: none"> • 4 years required 	<ul style="list-style-type: none"> • 4 years required
Mathematics	<ul style="list-style-type: none"> • 3 years required • Math I, II, & III • AND ACT math score of 22 or above (If not, then students must take a fourth year of math above the Algebra II level) It is important for students to sit for the ACT test prior to their senior year 	<ul style="list-style-type: none"> • 4 years required • Algebra I, Geometry, Algebra II and one year beyond Algebra II selected from analytic geometry, trigonometry, advanced algebra, probability and statistics, functions or calculus 	<ul style="list-style-type: none"> • 3 years required (at the level of Algebra I or Math I or above)
Natural Sciences	<ul style="list-style-type: none"> • 3 years required • Must include three years chosen from Biology, Biology 2, Biology 3, Organismic Biology 1, Organismic Biology 2, Physical Science, Chemistry I, Chemistry II, and/or Physics • At least one unit must B 	<ul style="list-style-type: none"> • 3 years • Biology, Chemistry, and Physics required • Students are strongly encouraged to take a fourth year of science 	<ul style="list-style-type: none"> • 3 years Natural or Physical Science required (including one lab)
Social Sciences	<ul style="list-style-type: none"> • 1 year U.S. History • 1/2 year U.S. Government • 1/2 year selected from World History, World Geography, or International Relations • 1 year selected from one or more courses in Psychology, Economics, Civics, History, Sociology, Anthropology, Race and Ethnic Group Relations and/or Current Social Issues 	<ul style="list-style-type: none"> • 3 years required 	<ul style="list-style-type: none"> • 3 years required
Foreign Language	<ul style="list-style-type: none"> • Recommended but not required 	<ul style="list-style-type: none"> • 2 years of one foreign language 	<ul style="list-style-type: none"> • None required (foreign language classes do count toward your total core)
Other	<ul style="list-style-type: none"> • 3 elective units (These are labeled by each course in the planning guide and include foreign language) • Complete the Qualified Admission curriculum with at least a 2.0 grade point average (GPA) on a 4.0 scale AND • ACT composite score of 21 or above OR • Graduate in the top third of their class AND • Achieve a 2.0 GPA or higher on any college credit taken in high school 	<ul style="list-style-type: none"> • Students must have taken the ACT between April of the sophomore year and December of the senior year • Students must be a Kansas resident • Students must have their curriculum and 7th semester GPA certified on the official roster by the high school counselor, registrar, or similar official 	<ul style="list-style-type: none"> • 3 years required (this includes approved courses in English, math science or social science and/or foreign language ONLY) • 2.5 GPA in core classes and an ACT sum core of 68 or higher. (Sum score is the four individual test scores added together) which equates to roughly a 17 composite

Advanced Courses				
	Advanced Placement	Dual Credit	Honors	Weighted
AP Art (2019-20)	X	X		
AP History	X	X		X
AP Government	X	X		X
AP English	X	X		X
AP Calculus	X			X
College Algebra		X		
College Statistics		X		
Freshman Composition		X		
College Speech		X		
College Biology Lecture & Lab		X		
Spanish III		X		
French III		X		
Honors Math I			X	X
Honors Math II			X	X
Honors Math III			X	X
Honors Freshman Language Arts			X	X
Honors Sophomore Language Arts			X	X
Honors Junior Language Arts			X	X
Honors Chemistry			X	X
Honors Physics			X	X

Advanced Placement Program

Each AP examination/score receives an overall grade based on a 5-point scale:

- 5 - extremely well qualified
- 4 - well qualified
- 3 - qualified
- 2 - possibly qualified
- 1 - no recommendation

In July, the grades are sent to the students, their designated colleges, and their schools.

Each state university shall award credit for all Advanced Placement scores of 3 or above for the equivalent course or courses at their institution.

The cost of AP exams is probably the least expensive college credit a student can receive. Students who plan to enter college should begin early to take advantage of the AP courses. To do this, appropriate background courses are necessary. See your counselor for more details.

Dual Credit

When taking a class for college credit, students wanting to attend a Regents school must have an overall GPA in college credit classes of 2.0 or higher, which is a C or above.

Grades for college classes that are for elective dual credit will be recorded **on the high school transcript** as a

"P" (pass) unless the student wants the grade reported as a letter grade. All classes will be for a grade on the student's college transcript. Students will need to request a transcript from Washburn be sent to their chosen college to receive credit for the class taken.

Weighted Grades

Seaman High School has a weighted grade scale, which affects grade point average, rank in class, and honor roll. At the culmination of his/her high school career, students will receive academic honors based upon three categories of honors:

- Summa Cum Laude (highest honors)
- Magna Cum Laude (high honors)
- Cum Laude (honors)

In order to be named Summa Cum Laude, students may not take classes pass/fail, nor can they have served as a library, office, video or teacher assistant at the high school. The students must be fully enrolled all eight semesters of their high school career.

To make Summa Cum Laude, a student must take 11 of 12 Honors/AP classes offered earning all A's, or all 12 classes while earning 2 B's (in Honors classes) and the rest A's.

Honors will be awarded according to the following scale:

Honors	Scale
Summa Cum Laude	Above criteria
Magna Cum Laude	4.05-up, but not Summa
Cum Laude	3.75-4.04

	Weighted Scale	Traditional Scale
A	5	4
B	4	3
C	3	2
D	2	1
F	0	0