

Waverly High School Curriculum



**2024-2025
Course Description Book**

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Note 1: Courses need at least 15 student requests in order to be available the following school year.

Note 2: Some courses may have fee requirements. If you or your student qualifies for free or reduced lunch, a waiver form is available on the district website at www.district145.org. Click on Parents, Click on Parent Forms, Click on Student Fee Waiver.

WHS Career & Technical Education

Agriculture

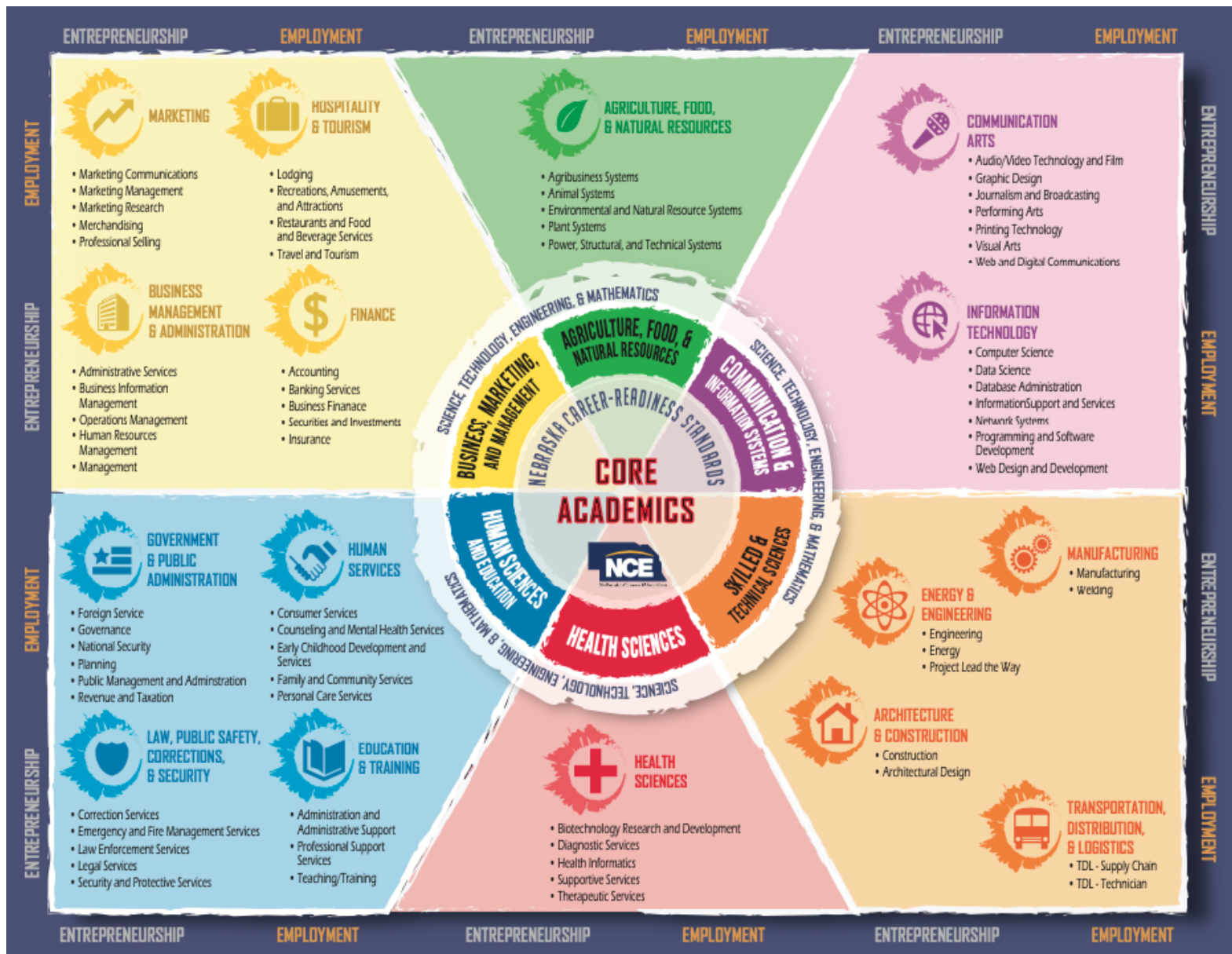
Business &
Information
Technology

Family &
Consumer
Sciences

Skilled &
Technical
Sciences

Communications &
Fine & Performing Arts

Although not CTSO's, these areas provide career-related opportunities



Above is the Nebraska Career Model. Please explore the courses offered at Waverly High School on the following pages. The courses within each career field will provide you with the skills and experiences necessary to prepare you for related college majors and careers.

Agriculture, Food, & Natural Resources

	Career Possibilities:	Recommended WHS high school classes:	
Animal Science	Animal Nutritionist Pharmaceutical or Feed Sales Meat Processor Feedlot or Confinement Manager Veterinarian	<u>Agriculture</u> Intro to Ag OR Biology Animal Science Veterinary Science Large Animal Management Companion Animals <u>Family & Consumer Sciences</u> Medical Terminology (Vet Science only)	<u>Business</u> Intro to Business Entrepreneurship
Plant Science	Greenhouse Manager Agronomist Seed or Fertilizer Sales Florist Landscape Design	<u>Agriculture</u> Intro to Ag OR Biology Plant Science Landscape Design Floriculture <u>Skilled & Technical Sciences</u> Residential Design <u>Fine Arts</u> Art Exploration (Any)	<u>Business</u> Intro to Business Entrepreneurship <u>Family & Consumer Sciences:</u> Interior Design Skills Advanced Interior Design Skills
Agribusiness	Agricultural Loan Officer Agricultural Sales Grain Merchandiser Insurance Agent Marketing Manager Stock Market Broker	<u>Agriculture</u> Intro to Ag Agribusiness Ag Sales and Marketing	<u>Business</u> Intro to Business Entrepreneurship Micro/Macro Economics Business/Personal Law
Natural Resources	Conservation Officer Soil or Water Scientist Wildlife Biologist Environmental Lawyer	<u>Agriculture</u> Intro to Ag Natural Resources Wildlife Management <u>Skilled & Technical Sciences</u> Construction Technology	<u>Business</u> Intro to Business Entrepreneurship Micro/Macro Economics
Power & Structural Systems	Machine Operator Welder Agriculture Engineer Gas or Diesel Mechanic	<u>Agriculture</u> Intro to Ag Welding <u>Skilled & Technical Sciences</u> Essential Tech Skills Intro to Engineering Design	<u>Business</u> Intro to Business Entrepreneurship <u>Southeast Community College</u> Welding Academy
Food Science	Food Scientist Flavor Chemist Food Product Developer Food Safety Inspector Sensory Evaluator	<u>Agriculture</u> Animal Science Large Animal Management Plant Science <u>Family & Consumer Sciences</u> Nutrition & Food Culinary Skills	<u>Business</u> Intro to Business Entrepreneurship

Only students enrolled in agricultural courses are eligible for FFA membership

Introduction to Agriculture, Food & Natural Resources

Course Length:	One semester
Grade Level:	9, 10
Prerequisite:	None
Course Credit:	5 credits

This curriculum emphasizes the major components of the agricultural, food, fiber, & natural resources systems. This course will prepare students to make informed decisions of the program of study in which they are interested. This course will allow students to experience seven agricultural pathways: Agribusiness, Animal, Plant, Natural Resources, Environmental, Food Processing, and Power, Structural, & Mechanical Systems through hands-on laboratory experiences. It will introduce students to the Agricultural Education Model of Classroom/Lab Instruction, Supervised Agricultural Experiences, and FFA. **Highlighted in the course are several FFA events including Public Speaking, Animal Evaluation, Food Science, Parliamentary Procedure, Natural Resources, and many others.**

Natural Resources

Course Length:	One semester
Grade Level:	9, 10, 11, 12
Prerequisite:	None
Course Credit:	5 credits

Curriculum emphasizes basic scientific principles involved in conserving and/or improving natural resources such as air, water, land, forestry, wildlife, and energy. Students will gain an understanding of alternative energy, important natural resources in Nebraska, and basic wildlife management. **This course will also highlight the FFA Natural Resources, Land Evaluation, and Envirothon events.**

Plant Science

Course Length:	One semester
Grade Level:	9, 10, 11, 12
Prerequisite:	None
Course Credit:	5 credits

This course applies scientific principles to the management of plants. Topics covered include structure and function of plants, including requirements for growth, methods of propagation, plant anatomy, nutrition, and the management of pests and diseases. Identification and selection of plants along with their use and functions and physiological processes are also stressed. Students will gain hands-on experience in the plant science industry. **This course will highlight the FFA Nursery and Landscape, Land Evaluation, Floriculture, and Agronomy events.**

Animal Science

Course Length: One semester
Grade Level: 9, 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

This course is designed to help students develop a foundational understanding of biological principles of animal production which will influence and affect management decisions. Students will gain a basic understanding of animal anatomy, physiology, genetics, nutrition, health, and animal welfare. **This course will also highlight the FFA Meat Science, Livestock Management, Veterinary Science, and Livestock Selection Events.**

Companion Animals

Course Length: One semester
Grade Level: 9, 10, 11, 12
Prerequisite: Animal Science recommended
Course Credit: 5 credits

This is a course to help students demonstrate a basic understanding of the care of small animals, while also understanding the biological principles of small animals which will influence and affect management decisions. Students will study companion animals including cats, dogs, rabbits, rodents, other small mammals, birds, fish, reptiles, & other companion animals. **This course will highlight the FFA Veterinary Science Event and prepare students for responsible pet ownership.**

Floriculture

Course Length: One semester
Grade Level: 9, 10, 11, 12
Prerequisite: None
Course Credit: 5 credits
Cost: \$25 fee

This course will provide students with the necessary background to become employed or continue education in the floral industry. In addition, this class will help students develop skills in the design and construction of floral arrangements, along with providing background knowledge of the industry. **This course will highlight the FFA Floriculture Event.**

Agribusiness

Course Length: One semester
Grade Level: 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

This course will focus on the study of business organizations & structures, economics, starting a business, developing a business plan, credit, loans, taxes, contracts and business records. This course will give students interested in Agribusiness, Ag Lending, and risk management an introduction and overview of these career fields. **This course will also highlight the FFA Farm Management, Ag Issues, Agricultural Sales, and Agricultural Marketing events.**

Wildlife Management

Course Length: One semester
Grade Level: 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

This curriculum emphasizes the management of wildlife species and provides students with the opportunity to understand and appreciate the importance of maintaining the land and ecological systems that enable non-domesticated animals to thrive. **Students will be exposed to the FFA Natural Resources and Envirothon events.**

Veterinary Science

Course Length: One semester
Grade Level: 11, 12
Prerequisite: Animal Science
Course Credit: 5 credits

This course will focus on anatomy, physiology, disease management, and basic animal health. Students interested in animal science or medical careers will be exposed to important skills and information to succeed in their chosen field. **Students are encouraged to participate in the FFA Veterinary Science Event.**

Advanced Agricultural Studies

Course Length:	One semester
Grade Level:	11, 12
Prerequisite:	Base course in the intended area of study such as Plant Science, Nursery Landscape, Floriculture, Animal Science, Companion Animals, Large Animal Management, Agribusiness, Ag Sales, Natural Resources, Wildlife Management, Vet Science.
Course Credit:	5 credits
Cost:	\$40 Curriculum Fee

This course allows students to continue studying a specific topic learned in one of the basic level courses. Because it is set up as an advanced study, students must have received a C or above in the base course and be responsible as well as self-motivated to work on their project of choice. Outcomes of this course may include Agriscience Fair research projects; demonstrations, advanced landscape or floral designs, planning and executing educational experiences for youth and/or adults, etc. Students planning on enrolling in the Small Engines study will also be enrolled in the OSHA General Agricultural Industry Safety course at a fee of \$25. **Students will be exposed to a large variety of FFA events and competitions.**

Welding

Course Length:	One semester
Grade Level:	10, 11, 12
Prerequisite:	None
Course Credit:	5 credits
Cost:	\$25 Consumables Fee
Other:	Safety glasses, welding helmets, gloves, and pliers are required and provided. Students may purchase their own gloves or safety glasses from the teacher.

Students enrolled in this course study basic welding techniques covered in the areas of TIG, SMAW, GMAW, oxy-acetylene welding and cutting, plasma cutting. Students will study metals only and industry application will be discussed. Academic study through bookwork and research will be incorporated with welding practice. Safety glasses, welding helmets, gloves and pliers are required and provided. Students may purchase their own gloves or safety glasses from the teacher.

Note: Successful completion of this course is required for acceptance into the Southeast Community College Career Academy.

Business, Management and Marketing

	Career Possibilities:	Recommended WHS high school classes:	
Marketing	<p>Fashion Marketer</p> <p>Commercial Director</p> <p>Sports Agent</p> <p>iTunes Podcast</p> <p>Promoter</p> <p>Anything video games</p>	<p><u>Business</u> Entrepreneurship Intro to Business Digital Media Business Law</p> <p><u>Math</u> Pre-College Math</p>	<p><u>Agriculture</u> Agribusiness</p> <p><u>Family & Consumer Sciences</u> Interior Design Skills Advanced Interior Design Skills Fashion Design Skills Advanced Fashion Design Skills</p>
Hospitality & Tourism	<p>Amusement & Recreation Attendant Concierge</p> <p>Cruise Ship Director</p> <p>Curator</p> <p>Gaming Dealers</p>	<p><u>Business</u> Entrepreneurship Digital Media Intro to Business Accounting 1 Accounting 2</p>	<p><u>Family & Consumer Sciences</u> Nutrition & Food Culinary Skills</p>
Business Management & Administration	<p>IT Project Manager</p> <p>Actuaries</p> <p>Advertising & Promotion Manager</p> <p>General & Operations Manager</p> <p>Lawyer</p>	<p><u>Business</u> Entrepreneurship Business Law Personal Finance Intro to Business Accounting 1 Accounting 2</p>	<p><u>Agriculture</u> Agribusiness</p> <p><u>Math</u> Pre-College Math</p>
Finance	<p>Financial Analyst</p> <p>Accountant</p> <p>Economist</p> <p>Treasurer</p> <p>Personal Financial Advisor</p>	<p><u>Business</u> Personal Finance Entrepreneurship Digital Media Intro to Business Micro/Macro Economics Accounting 1 Accounting 2</p> <p><u>Agriculture</u> Agribusiness</p>	<p><u>Family & Consumer Sciences</u> Child Development Relationships & Family Strengths Interior Design Skills Culinary Skills</p>

Communications & Information Systems

	Career Possibilities:	Recommended WHS high school classes:	
Information Technology	Communications Analyst	<u>Business</u> Foundations of Computing Digital Media Computer Science	
	Network Engineer		
	Database Administrator		
	Programmer		
	Computer Engineer		
	Software		
Arts, A/V Technology, & Communications	Web Page Design	<u>Business</u> Entrepreneurship Intro to Business	<u>Family & Consumer Sciences</u> Interior Design Skills Advanced Interior Design Skills Fashion Design Skills Advanced Fashion Design Skills
	Desktop Publishing		
	Fashion or Interior Design	<u>Communications</u> Viking Yearbook 1 Viking Yearbook 2 Advanced Publications Digital Media	
	Performing Artists (Actor, singer, dancer, director, choreographer, vocal coach, teacher, etc)		<u>Performing Arts</u> Theatre All Art Courses
	Theatrical Production Member (hair/makeup/costume design & construction; set designer/builder/painter; light/sound designer; management; etc))		
	Journalist (print, broadcasting, digital, radio, podcast, etc)		
	Producer		
	Telecommunications		

Introduction to Business

Course Length: One semester
Grade Level: 9, 10
Prerequisite: None
Course Credit: 5 credits

This survey course is designed to introduce the student to the principles and functions of business. Business will be studied as part of a total social, political and economic environment. The various functional areas of business will be discussed; economics, forms of business ownership, small business, entrepreneurship, management, human relations, marketing, accounting, finance, stock market and business law. Emphasis will be placed on hands-on activities, web-based activities, and real-life application.

Digital Media

Course Length: One or two semesters
Grade Level: 9, 10, 11, 12
Prerequisite: None
Course Credit: 5 credits or 10 credits

Students will create, design, and produce digital media including: sound, video, graphics, text, and animation. Emphasis will be placed on effective use of tools for interactive multimedia production including: storyboarding, visual development, project management, and web processes. Students in this course will also have duties and assignments related to school activities beyond the classroom and normal school hours.

Advanced Publications

Course Length: Two semesters
Grade Level: 9, 10, 11, 12
Prerequisite: An application may be required
Course Credit: 10 credits

Broadcast journalism will focus on the implementation of Striv TV at Waverly High School. Students will learn to use equipment – setting up and tearing down – as well as the facets of broadcasting live events. Striv U zoom sessions will be used to help teach students how to use wirecast, adobe, slack and photoshop. Students will be trained on proper interviewing techniques as well as how to broadcast a live sporting event. Podcasting and using social media platforms such as X, Instagram and Snapchat will be used to tell the stories of the many successful activities and students at Waverly High School.

Viking Yearbook 1

Course Length: Two semesters
Grade Level: 9, 10, 11, 12
Prerequisite: An application/teacher recommendation may be required
Course Credit: 10 credits

For students who have not previously taken a yearbook class. Students will learn the basic skills required to create and publish a yearbook. These skills include, but are not limited to: interviewing, newswriting, advertising, design, and photography. Students will follow all expectations as listed in "Viking Yearbook 2." Yearbook 1 & 2 may be combined based on enrollment.

Viking Yearbook 2

Course Length:	Two semesters
Grade Level:	9, 10, 11, 12
Prerequisite:	An application may be required
Course Credit:	10 credits
Registration Form:	Students will receive a follow-up email
Other:	Students will be held financially responsible for all equipment checked out to them during the class

This journalism class is designed to give students the various skills required in the publication of a yearbook. Although writing, interview, and photography skills are desirable, eagerness and enthusiasm are mandatory. Students will learn group cooperation along with the many aspects of layout, design, theme development, and copywriting associated with yearbook creation. Each student will produce the design, written material and photos pertaining to a particular topic in the school year. Throughout the course, students will gain an appreciation and distinct awareness of the “school year,” an understanding that the yearbook serves as an archive and memory book, and an ability to approach new people in a variety of settings.

Duties and Responsibilities of a Viking/Yearbook Staff Member

As a Viking/Yearbook Staff Member you will:

- 1) Meet deadlines and be responsible for completing your pages; designing layouts, proofing, editing, etc. (May require before/after school time)
- 2) Go to the events of the pages you are given; take pictures, meet with advisors, administrators, students and/or coaches to get background information or interviews. (May require before/after school time)
- 3) Sell Business/Senior Ads to raise money for our book!
- 4) Come to class on time and prepared to work. Because it is a class, it takes precedence over extracurricular activities!
- 5) Be a team member! We will need everyone’s help in order to create our book! This may require you to help other staff members cover their events.
- 6) Be organized and work independently. You are responsible for covering your events and knowing when they are. You will be given a lot of materials and expected to refer to them when designing your layout, taking pictures, writing copy, etc.

Foundations of Computing

Course Length: One semester
Grade Level: 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

This course is designed to be the first computer science course for students who have never programmed before. Foundations of Computing is a starting point for Computer Science. Students will explore the impact of computing in society and build skills in digital citizenship and cybersecurity. Beyond learning the fundamentals of programming, students will build computational-thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis. The five major areas include: Digital Citizenship, Problems and Solutions, Programming and Debugging, and Networks.

Entrepreneurship

Course Length: One semester
Grade Level: 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

Entrepreneurship emphasis is placed on the evaluation of the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The role of entrepreneurial business in the United States and the impact on the national and global economy will be explored. Instructional strategies may include the development of a business plan, operation of school-based business, or actual creation of a student-run business.

Business/Personal Law

Course Length: One semester
Grade Level: 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

This course acquaints the student with the American legal system and how it relates to each person today. Topics include rights and obligations of minors, law enforcement, lawsuits, torts, consumer law, law-related careers, and other pertinent current events. Presentation of materials is offered through class discussion, case problems, dramatizations, films, and guest speakers. The class takes a field trip to see an actual case trial in session, to experience a small claims court session, and to tour a correctional center.

Computer Science

Course Length: Two semesters
Grade Level: 11, 12
Prerequisite: None
Course Credit: 10 credits

A course designed to teach problem-solving skills through the use of languages such as Python, Java, and HTML. The following structured programming concepts might be included: top-down design, output design, hierarchy chart, program design, coding and testing, flow charting, editing and debugging.

Personal Finance

Course Length:	One semester
Grade Level:	12
Prerequisite:	Required
Course Credit:	5 credits

Personal Finance is designed to help students manage their resources and to make sound personal financial decisions. Students have the opportunity to determine how economic factors affect planning and budgeting. They will improve their judgment and abilities in using credit, being a wise consumer, preparing income tax forms, earning a paycheck, and saving and investing money.

Accounting 1

Course Length:	Two semesters
Grade Level:	11, 12
Prerequisite:	None
Course Credit:	10 credits

The purpose of Accounting is to give students an understanding of the basics of the accounting cycle for both a sole proprietorship and corporation through practical, hands-on application. Accounting is the language of business. To know about analysis of transactions, journaling, posting, cash controls, inventory, and payroll is essential to understanding business in general. Technology will be implemented as a key component through the use of paperless working papers (all online, graded online). Assessments will be online.

Note: Dual-credit with Nebraska Wesleyan is possible if completing two full years. Do not register for dual-credit until enrolled in the 2nd year.

Accounting 2

Course Length:	Two semesters
Grade Level:	11, 12
Prerequisite:	Accounting 1
Course Credit:	10 credits

Accounting 2 presents a continuation of concepts and procedures from Accounting 1. Through online (paperless) practice, the emphasis will be on departmentalization, responsibility accounting, financial statement interpretation, the time value of money, and projections. In other words, we will go beyond the bookkeeping and enter into interpretation and analysis.

Note: Dual-credit with Nebraska Wesleyan is possible if completing two full years. Do not register for dual-credit until enrolled in the 2nd year.

Microeconomic Principles

Course Length: One semester
Grade Level: 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

The purpose of microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within an economic system. It places primary emphasis on the nature and functions of product markets and includes the study of market factors and the role of government in promoting greater efficiency and equity in the economy.

Throughout this course, you will experience cross-curricular activities: the scientific method, graphing, ratios, reports, monetary figures, other statistics comparisons, data creation and analysis. All this in the name of economic study and understanding.

****College Credit Option:** Microeconomic Principles provides students the option of enrolling in the Nebraska Wesleyan University Honors Academy in order to receive both high school and college credit. Students who dual enroll will be granted 3 credits for ECON 1540 by Nebraska Wesleyan following the successful completion of one semester of Microeconomic Principles. Students interested in this option will be able to register for the Honors Academy at the onset of the course and to pay the approximate \$285 tuition when billed.

Macroeconomic Principles

Course Length: One semester
Grade Level: 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

The purpose of macroeconomics is to give students a thorough understanding of the principles of economics that apply to the economic system as a whole. The course places particular emphasis on the study of national income and price-level determination and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

Throughout this course, you will experience cross-curricular activities: the scientific method, graphing, ratios, reports, monetary figures, other statistics comparisons, data creation and analysis. All this in the name of economic study and understanding.

****College Credit Option:** Macroeconomic Principles provides students the option of enrolling in the Nebraska Wesleyan University Honors Academy in order to receive both high school and college credit. Students who dual enroll will be granted 3 credits for ECON 1530 by Nebraska Wesleyan following the successful completion of one semester of Macroeconomic Principles. Students interested in this option will be able to register for the Honors Academy at the onset of the course and to pay the approximate \$285 tuition when billed.

Human Services & Education

	Career Possibilities:	Recommended WHS high school classes:	
Human Services	Counseling Social Worker Non-Profit Family Services Dietitian Community Services	<u>Family & Consumer Sciences</u> Nutrition & Food Culinary Skills Advanced Culinary Skills Child Development Advanced Child Development Practicum Relationships & Family Strengths Interior Design Skills Advanced Interior Design Skills Fashion Design Skills Advanced Fashion Design Skills	<u>Business</u> Entrepreneurship Business Law <u>Social Studies</u> Psychology
Education & Training	Teacher (early childhood, elementary, middle school, high school, post secondary, special education) Administrator Speech Pathologist Guidance Counselor	<u>Family & Consumer Sciences</u> Child Development Advanced Child Development Practicum Relationships & Family Strengths Teaching as a Profession Best Practices in Education	<u>Social Studies</u> Psychology
Law, Public Safety, Corrections, & Security	Corrections Officer Case Manager Police Officer Lawyer Security Director	<u>Family & Consumer Sciences</u> Child Development Relationships & Family Strengths <u>Business</u> Business Law Personal Finance Micro/Macro Economics	<u>Social Studies</u> Psychology Constitution and Citizenship
Government & Public Administration	Lobbyist Senator National Security Intelligence Analyst Public & Foreign Affairs Auditor	<u>Family & Consumer Sciences</u> Relationships & Family Strengths <u>Business</u> Business Law Personal Finance Micro/Macro Economics	<u>Social Studies</u> Psychology Constitution and Citizenship

Nutrition and Food

Course Length:	One semester
Grade Level:	9, 10, 11, 12
Prerequisite:	None
Course Credit:	5 credits
Cost:	\$20 fee (covers cost of food you produce and consume in the food labs)

In this semester-long course, students will develop the base foundation knowledge of food selection and preparation needed to successfully fuel the human body through consumption of food and resulting food energy. With a beginning foundation of nutrition, students will learn basic preparation skills and the short-term and long-term wellness consequences as a result of nutritional intake, and exposure to careers related to the food industry. Students will leave the class being able to plan, produce, and communicate the importance behind healthy meals & habits to a specified target audience.

Fashion Design Skills

Course Length:	One semester
Grade Level:	9, 10, 11, 12
Prerequisite:	None
Course Credit:	5 credits
Cost:	\$10 consumable fee. Student is responsible for the purchase of additional supplies needed for this course.

This course is a personalized course for individuals interested in fashion and clothing construction. All students will apply the principles of design to hands-on projects meeting the needs of various populations and scenarios through design planning and presentation. Students who are interested in fashion and construction will cover: Basics of Textile and Apparel Design, Selection/Construction/Maintenance/ and Alterations of Textile Products, and Related Careers. It is recommended to enroll in Advanced Fashion Design Skills and Entrepreneurship to advance the skills learned in this course.

Interior Design Skills

Course Length:	One semester
Grade Level:	9, 10, 11, 12
Prerequisite:	None
Course Credit:	5 credits
Cost:	\$10 consumable fee. Student is responsible for the purchase of additional supplies needed for this course.

This course is a personalized course for individuals interested in designing homes and interiors. All students will apply the principles & elements of design to hands-on projects meeting the needs of various populations and scenarios through design planning and presentation. Students who are interested in designing homes and interiors will cover: Housing Influences & Choices, Basics of Housing & Interior Design, & Related Careers. It is recommended to enroll in Advanced Interior Design Skills and Entrepreneurship to advance the skills learned from this course.

Culinary Skills

Course Length:	One semesters
Grade Level:	10, 11, 12
Prerequisite:	Pass Nutrition & Foods with a B or above
Course Credit:	5 credits
Cost:	\$20 fee (covers cost of food you produce and consume in the food labs)

Deepen your understanding of food preparation, food science, and nutrition. This course is an industry-driven curriculum that prepares students for careers in the restaurant and foodservice management industry. Begin developing culinary skills to be applied to your family, friends, or the development of a business. In this semester-long course, students will transfer their knowledge developed from food science and nutrition to beginning culinary skills in hands-on food labs and real-life business experiences. It is recommended to enroll in Advanced Culinary Skills to advance the skills learned from this course.

Child Development

Course Length:	One semester
Grade Level:	10, 11, 12
Prerequisite:	Have a valid driver's license/can drive OR parent permission to ride with another student.
Course Credit:	5 credits

How do early childhood experiences shape a community? Discover & deepen your knowledge, skills and practices necessary for nurturing the growth and development of children. This course evaluates the effects of parenting roles and responsibilities in supporting the development of a child and family. The big ideas uncovered in this course are: conception, prenatal development, healthy pregnancy, birth, physical, emotional, intellectual, and social development of infants, toddlers, preschoolers, & children, child care and early education, and careers working with children. Students will attain hands and minds-on experiences through observing and interacting in child care facilities and classrooms. Parenting theories, skills, and practices will be infused through each stage of development. It is recommended to enroll in Advanced Child Development Practicum after taking this course.

Relationships and Family Strengths

Course Length:	One semester
Grade Level:	11, 12
Prerequisite:	None
Course Credit:	5 credits

Strengthen relationships and experience the dynamic effect it has on the well-being of individuals, families, and society. Students will investigate, communicate, and manage issues in everyday and life-long relationships as a catalyst for personal, family, and societal growth. Students will also explore parenting & family roles and responsibilities. Participation in this course will lead to greater self-awareness, enhanced relationships, improved cultural competencies, strengthened families, confidence in gaining control in choosing direction for one's life, and exposure to the many career opportunities in criminal justice and human services career fields. The big ideas uncovered in this class are personal development, healthy relationships, unhealthy relationships, sexual behaviors & risks, life-long relationships/marriage, family strengths, human services careers, and coping with crises

Advanced Fashion Design Skills

Course Length:	One semester
Grade Level:	9, 10, 11, 12
Prerequisite:	Fashion Design Skills
Course Credit:	5 credits, may re-enroll in this course multiple times.
Cost:	\$10 consumable fee. Student is responsible for the purchase of additional supplies needed for this course.

This course is designed to concentrate and advance your skills, studies, and experiences for fashion and construction after completing the Fashion Design Skills course. Students will work with the teacher to set individual learning plans for advanced levels. If this course matches your talents, passions, and interests, it is also recommended to re-enroll in the Advanced Fashion Design Skills course and enroll in Entrepreneurship.

Advanced Interior Design Skills

Course Length:	One semester
Grade Level:	9, 10, 11, 12
Prerequisite:	Interior Design Skills
Course Credit:	5 credits
Cost:	\$10 consumable fee. Student is responsible for the purchase of additional supplies needed for this course.

This course is designed to concentrate and advance your skills, studies, and experiences for homes and interiors after completing the Interior Design Skills course. Students will work with the teacher to set individual learning plans for advanced levels.

Advanced Culinary Skills

Course Length:	One semester
Grade Level:	10, 11, 12
Prerequisite:	Pass Culinary Skills with a B or above, must have a valid driver's license.
Course Credit:	5 credits
Cost:	\$20 fee (covers cost of food you produce and consume in the food labs)

This course is designed to concentrate your culinary skills, studies, and experiences at advanced levels after completing the Culinary Skills course. Students will work with the teacher to set individual learning plans for advanced levels.

Advanced Child Development Practicum

Course Length:	One semester
Grade Level:	11, 12
Prerequisite:	Pass Child Development with a B or above, must have a valid driver's license.
Course Credit:	10 credits (2 blocked class periods)

How does a community shape the development of a child? Students who enroll in this course should be interested in pursuing a career in early childhood, human services, education, or health sciences that dynamically impacts children. Students will deepen the knowledge of the developmental milestones of K-12th grade children. Students will develop the skills to plan for learning and impact development across all developmental stages, with a strong emphasis on early childhood. Students will complete multiple practicums at *each* of the following: preschool, K-2, 3-5, 6-7, & 9-12 grade as well as shadowing various community programs and professionals that impact child development. Students will work with the FACS teacher to set individual learning plans from these experiences. Most of this course is independent study, with a large responsibility of the learning and planning falling on the student, with the teacher as the facilitator of learning.

Teaching as a Profession

Course Length: One semester
Grade Level: 11, 12
Prerequisite: None
Course Credit: 5 credits

This introductory course is designed to introduce students to career opportunities and related skills in the field of education and training. Topics include: history of education, the philosophy of education, roles of educators, instructional and assessment methods, diversity of cultures and communities, learner development, and professional development.

Note: This course can be 3 credits of dual-credit with Wayne State College.

Best Practices in Education & Training (with Work-Based Learning)

Course Length: One semester
Grade Level: 11, 12
Prerequisite: Successful completion of “Teaching as a Profession”
Course Credit: 10 credits (2 blocked class periods)

This intermediate course will focus on best practices in education, building on concepts from the introductory courses. Topics covered include: instructional and assessment methods, differentiated instruction, development of communication skills necessary for educators, and instruction planning. Knowledge and skills will be applied within a structured work-based learning experience, which may take place in a school, community, or business and industry setting. The focus of the hands-on experience will be immersion in an educational setting.

Note: This course can be 3 credits of dual-credit with Wayne State College.

Health Sciences

	Career Possibilities:	Recommended WHS high school classes:	
Health Sciences	Nurse	<u>Family & Consumer Sciences</u> Intro to Health Sciences	<u>Agriculture</u> Veterinary Science
	Therapist	Medical Terminology	
	Physician	Nutrition & Food	<u>Business</u> Entrepreneurship
	Surgeon	Child Development	Accounting
	Dentist	<u>Science</u> Anatomy	
	Dietician	<u>Social Studies</u> Psychology	<u>Southeast Community College</u> Health Science Academy
	Lab Scientist		
	Health Care Manager		

Intro to Health Sciences

Course Length: One semester
Grade Level: 9, 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

This course is designed to give an overview of the health science career fields including therapeutic, diagnostic, support services, biotechnology & research and health informatics pathways. The course focuses on health careers, exploration, leadership development, basic medical terminology, ethical and legal responsibilities, the history & economics of health care, diseases and disorders, positive and negative health and wellness behaviors, and first aid. Skills learned will be applicable to students continuing in the medical science field.

Medical Terminology

Course Length: One semester
Grade Level: 10, 11, 12
Prerequisite: Intro to Health Sciences (strongly recommended but not required)
Course Credit: 5 credits

This course is designed to help students learn and apply medical terminology by analyzing their components (word roots, prefixes, suffixes or abbreviations). The primary focus is on developing both oral and written skills in the language used to communicate within health care professions. Human anatomy is a key emphasis when learning and applying the medical terms.

Skilled & Technical Sciences

	Career Possibilities:	Recommended WHS high school classes:	
Architecture & Construction	Architect	<u>Skilled & Technical Science</u> Essential Technical Skills Residential Design Furniture Design Construction Technology Introduction to Building Construction <u>Business</u> Entrepreneurship Personal Finance <u>Social Studies</u> Psychology United States History	<u>Agriculture</u> Landscape Design <u>Family & Consumer Sciences</u> Interior Design Skills Advanced Interior Design Skills <u>Math</u> Geometry Algebra <u>Science</u> Biology Physics <u>Fine Arts</u> Art Exploration (any)
	Computer Aided Drafter		
	Carpenter		
	General Contractor		
	Equipment Operator		
	Demolition Engineer		
Manufacturing	Design Engineer	<u>Skilled & Technical Science</u> Essential Technical Skills Intro to Engineering Design Furniture Design Construction Technology Welding Introduction to Building Construction <u>Math</u> Algebra Geometry Pre-College Math <u>Business</u> Personal Finance Entrepreneurship	<u>Agriculture</u> Welding <u>Family & Consumer Sciences</u> Interior Design Skills Advanced Interior Design Skills <u>Social Studies</u> Psychology <u>Southeast Community College</u> Welding Academy <u>Science</u> Physics Biology
	Industrial Engineer		
	Manufacturing Engineer		
	Assembler		
	Machine Operator		
	Iron/Metalworker		
Transportation, Distribution & Logistics	Industrial Equipment Mechanic	<u>Skilled & Technical Science</u> Essential Technical Skills <u>Math</u> Algebra Geometry Pre-College Math <u>Science</u> Physics Biology	<u>Social Studies</u> Psychology <u>Business</u> Entrepreneurship Personal Finance
	Facility Maintenance Manager		
	Logistics Engineer or Manager		
	Civil Engineer and Technician		
Science, Technology, Engineering, & Mathematics	Aeronautical Engineer	<u>Skilled & Technical Science</u> Essential Technical Skills Residential Design Introduction to Engineering Design <u>Family & Consumer Sciences</u> Interior Design Skills Advanced Interior Design Skills <u>Southeast Community College</u> Auto Technology	<u>Business</u> Entrepreneurship Personal Finance Info Tech 1 and 2 <u>Agriculture</u> Landscape Design <u>Math</u> All Math Courses <u>Science</u> All Science Courses
	Biotechnology Engineer		
	Drafter		
	Quality Technician		
	Technical Writer		
	Lab/Research Technician		

Skilled & Technical Science

	6th	7th	8th	9th	10th	11th	12th
Engineering Pathway	Skilled and Technical Science 6	Skilled and Technical Science 7	Woods or Small Engines	Essential Technical Skills			
				I.E.D. - Introduction to Engineering Design			
					Residential Design		
	Where this Pathway Leads:						
On the Job Training, Apprenticeships, Journeymen, Community/Technical College, Bachelor Degree and Beyond	- Engineer	- General and Operations Managers				- Electricians	
	- Drafting	- Precision Machining and Automatioi Electricians					
	- Carpenters	- Industrial Technology Teacher					
	- Architech	- Electromechanical Technology/Mechatronics Engineering					
Manufacturing Pathway	Skilled and Technical Science 6	Skilled and Technical Science 7	Woods or Small Engines	Essential Technical Skills			
				Furniture Design*			
					Welding		
					Welding at SCC		
	Where this Pathway Leads:						
On the Job Training, Apprenticeships, Journeymen, Community/Technical College, Bachelor Degree and Beyond	- Electricians	- General and Operations Managers					
	- Carpenters	- Electromechanical Technology/Mechatronics Engineering					
	- Engineer	- Precision Machining and Automatioin Technology					
	- Industrial Technology Teacher						
Arch. & Construction Pathway	Skilled and Technical Science 6	Skilled and Technical Science 7	Woods	Essential Technical Skills			
				Furniture Design*			
					Intro to Building Construction		
					Construction Technology*		
	Where this Pathway Leads:						
On the Job Training, Apprenticeships, Journeymen, Community/Technical College, Bachelor Degree and Beyond	- Architech	- General and Operations Managers				- Utility Lineworker	
	- Carpenters	- Industrial Technology Teacher				- Welding	
	- Electricians	- Plumbers, Pipefitters, and Steamfitters					
	- Engineer	- Heating, Air Conditioning, and Refrigerations (HVAC)					
* Double check Prerequisites for your grade level							

Essential Technical Skills

Course Length:	One semester
Grade Level:	9, 10, 11, 12
Prerequisite:	None
Course Credit:	5 credits
Cost:	Students will pay all costs of personal projects <ul style="list-style-type: none">• Cost will vary depending on which project the student selects and current market price of lumber. Typical material cost is \$50-\$75 depending on project selection• Safety glasses are required. We offer a low cost (under \$5) pair of safety glasses that students may purchase from the school. Students may also bring their own, but they will need to remain at school.

This course will study the essential technical skills for independence. Students will explore three key skills that will prepare them for the world of work or being an independent weekend warrior. These skills are car care, product design, and woodworking.

- Basic automobile maintenance and ownership will cover:
 - What is an automobile.
 - How to purchase an automobile and the cost associated with owning an automobile.
 - Basic home maintenance and how to interact with a technician should the need arise.
 - Roadside safety.
- Design skills including drafting, blueprint reading and project planning, using sketching and basic computer aided drafting (C.A.D.) design.
- Woodworking will include:
 - Using and knowing the safety of hand tools, and machines.
 - Students will build a Metric 500 CO2 race car (\$10) and
 - Two of the following: trophy shelf, toolbox, candy machine. (\$20 total)
 - Or an End Table (\$30-\$75, depending on wood type selected)

Furniture Design and Assembly

Course Length:	One semester
Grade Level:	9*, 10, 11, 12
Prerequisite:	Essential Technical Skills is recommended. *Freshman must have taken 8th grade "Woods"
Course Credit:	5 credits
Cost :	Students will pay all costs of personal projects. <ul style="list-style-type: none">• Cost will vary depending on which project the students selects and current market price of lumber. Typical material costs \$80-\$300 depending on project selection.• Safety glasses are required. We offer a low cost (under \$5) pair of safety glasses that students may purchase from the school. Or students may bring their own that need to remain at school.

Students will study the manufacturing process by exploring project design and estimation techniques, wood joinery, assembly, surface preparation, and finishing. Students will develop advanced woodworking skills and learn the safety of power hand tools and machines. These techniques will be used to build one preselected project. They will build projects of their own choosing to fill remaining days (usually 1-2 projects).

Note: Students may repeat this class (once – and only once) to concentrate their study on advanced levels. Students will work with the teacher to set individual learning plans for advanced levels.

Introduction to Engineering Design (I.E.D.) 1

Course Length: One semester
Grade Level: 9, 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

Students will be introduced to engineering design. Project Lead the Way (PTLW) Curriculum will guide students in a hands-on course to explore engineering. Students will be introduced to sketching, 3D computer drafting, and explore scientific reasoning skills.

Introduction to Engineering Design (I.E.D.) 2

Course Length: One semester
Grade Level: 9, 10, 11, 12
Prerequisite: Introduction to Engineering Design (I.E.D.) 1
Course Credit: 5 credits

This semester is a continuation of Project Lead the Way (PTLW) curriculum, which will guide students in a hands-on course to explore engineering. Students will be introduced to sketching, 3D computer drafting, and explore scientific reasoning skills.

Residential Design (C.A.D. – Computer Aided Design, Drafting)

Course Length: One semester
Grade Level: 10, 11, 12
Prerequisite: Essential Technical Skills, I.E.D. is recommended.
Course Credit: 5 credits

The student will acquire knowledge of residential design methods, materials, and blueprint reading. The student will design a set of residential house plans to include: floor plans, foundation plans, wall sections, side elevations, and room perspectives. Students will use the computer to design and complete all course requirements.

Note: Students may repeat this class to concentrate their study on advanced levels. Students will work with the teacher to set individual learning plans for advanced levels.

Welding

Course Length: One semester
Grade Level: 10, 11, 12
Prerequisite: None
Course Credit: 5 credits
Cost: \$15 Consumables Fee
Other: Safety glasses, welding helmets, gloves, and pliers are required and provided. Students may purchase their own gloves or safety glasses from the teacher.

Students enrolled in this course study basic welding techniques covered in the areas of TIG, SMAW, GMAW, oxy-acetylene welding and cutting, plasma cutting. Students will study metals only and industry application will be discussed. Academic study through bookwork and research will be incorporated with welding practice. Safety glasses, welding helmets, gloves and pliers are required and provided. Students may purchase their own gloves or safety glasses from the teacher.

Note: Successful completion of this course is required for the acceptance into the Southeast Community College Career Academy.

Introduction to Building Construction

Course Length:	One semester
Grade Level:	10, 11, 12 (Priority to 12 th graders)
Prerequisite:	Furniture Design and Assembly <u>or</u> permission from a counselor.
Course Credit:	5 credits
Cost:	Students will pay all costs of personal projects. <ul style="list-style-type: none">• There is a \$25 fee for the OSHA 10 certification.• Safety glasses are required. We offer a low cost (under \$5) pair of safety glasses that students may purchase from the school or students may bring their own that need to remain at school.

Introduction to Building Construction is a class that introduces the student to residential building techniques and practices commonly used in the industry. Students will expand their knowledge of several different areas regarding residential construction including: power machinery used, residential blueprint reading, framing techniques/practices, masonry work, and hand tools. Throughout the course of the class several different projects will be completed including: OSHA 10 certification, a masonry block wall, and mock up framing for walls, floor joists, and roof trusses. Goal setting, journaling, decision-making skills, problem solving skills, and safety will be emphasized.

Construction Technology

Course Length:	One semester (Two Periods)
Grade Level:	11, 12 (Priority to 12 th graders)
Prerequisite:	Introduction to Building Construction or Furniture Design
Course Credit:	10 credits
Cost:	Students will pay all costs of personal projects. <ul style="list-style-type: none">• There is a \$25 fee for the OSHA 10 certification.• Safety glasses are required. We offer a low cost (under \$5) pair of safety glasses that students may purchase from the school. Or students may bring their own that need to remain at school.

This is a skill-oriented course designed for students with an interest in the construction industry. Students will spend 60% of their time in a two-block classroom setting studying construction technology and 40% of their time in a lab setting performing hands-on applications. Students will work in teams as they learn and use the basic techniques and procedures used in the areas of construction technology. Students will also focus on the following course content areas: understand and using terminology (vocabulary), using tools and safety practices, reading drawings, designing small structures, estimating costs, framing, exterior and interior finishing, and roofing. Students will take an online OSHA 10 course. This course will certify students with an OSHA 10 certification. OSHA certifications are very desirable to employers and will train students on how to be safe in the school shop or job site.

Other

Student Assistant

Course Length:	One or two semesters
Grade Level:	12
Prerequisite:	Administrative approval
Course Credit:	No credit assigned to this opportunity
Capacity:	15 students
Other:	Placement and transportation forms will be provided at the beginning of the semester.

The Student Assistant program is designed for those students who have the desire to assist in various duties throughout the school system. Students will be assigned to the library, office, or activities office during their student assistant period for direct supervision. Staff then have the opportunity to request students on an as-needed basis to assist with various tasks such as activity or athletic set-up, school maintenance, running passes, and classroom and/or clerical tasks. Under special circumstances, students may be asked to assist in other buildings in the district. When students are not requested to assist a staff member, this time may be used as a study hall.

Note: If you have Work Release, you cannot be a Student Assistant.

Teaching Assistant

Course Length:	One or two semesters
Grade Level:	11, 12
Prerequisite:	Approval from counselor or media specialist
Course Credit:	5 credits or 10 credits

A Teaching Assistant is responsible for helping a classroom teacher complete daily tasks within a classroom environment. Their duties include student tutoring, small group activities for students, reading for students, providing individual guidance to students with academic struggles or behavioral challenges, and relearning course content in order to help students. Assistants will be assigned to a subject matter (usually of his or her choice) and a classroom with such needs.

This course is a great opportunity for anyone who would like to help others, build his or her resume (*such a role is highly regarded for scholarships and job opportunities*), or get a headstart on a career in education.

Work Release

Course Length:	One or two semesters
Grade Level:	12
Prerequisite:	None
Course Credit:	5 credits for 60 hours of confirmed work though verified pay stubs
Transportation:	To be provided by the student
Registration Form:	Waverly High School Work Release Student Agreement

Work Release is an opportunity to give students responsibility to work and earn money while learning about the work world first hand. The work experience will be one that must be accepted by the school. The employer must agree to sign the Student Agreement Form. Students will be released either: one, two, or three hours in the morning or afternoon. All students must attend classes at least four periods per semester.

1) If a senior in the program completes a minimum of 60 work hours (regardless of the number of release periods), that senior will receive a passing grade on his or her transcript and the number of credits pertaining to the number of work hours completed.

2) If a senior in the program does not complete a minimum of 60 work hours (regardless of the number of release periods), that senior will receive one F on his or her transcript.

- 3) 1st Release Period = 5 Credits (MUST complete 60 work hours to receive credit)
2nd Release Period = 5 Credits (Must complete 105 work hours to receive additional credits)
3rd Release Period = 5 Credits (Must complete 135 work hours to receive additional credits)

Note: If you have Work Release, you cannot be a Student Assistant.

Physical Education

Note: Only one Physical Education course can be taken per semester.

Health

Course Length:	One semester
Grade Level:	9
Prerequisite:	Required
Course Credit:	5 credits
Fee:	\$15 fee if student would like to be CPR certified to cover cost of the certification card

Health covers the following topics: wellness, nutrition, fitness, stress, drugs and alcohol, tobacco, safety and accident prevention, body systems, first-aid, heart disease and cancer, and infectious diseases. CPR training with a written CPR exam and suicide prevention are taught during this course.

Unified Physical Education

Course Length:	One or two semesters
Grade Level:	9, 10, 11, 12
Prerequisite:	Permission from counselor required. Upperclassmen receive priority registration.
Course Credit:	5 credits or 10 credits

Unified Physical Education provides a unique opportunity for students with and without disabilities to come together through ongoing education and physical activities. This class promotes social integration, peer support, and the development of essential life skills, such as communication, teamwork, and empathy. Unified PE aims to break down barriers and build connections among all students. It supports the development of leadership skills for all students, and the empowerment of ALL students to foster an inclusive class and school-wide environment.

Sources: Text: Special Olympics: Unified-Physical-Ed-Resources-Aug-2019.

[Guide for Individuals with Disabilities - PDF](#)

Lifetime Sports

Course Length:	One or two semesters
Grade Level:	10, 11, 12
Prerequisite:	None
Course Credit:	5 or 10 credits

Lifetime Sports is designed to cover the following units: archery, golf, badminton, table tennis, volleyball, and wiffle ball. All units fall under the category of lifetime activities. Each unit is designed to teach skills, techniques, and strategies of the various activities, as well as increasing knowledge and appreciation of the activities.

Fitness For A Healthy Lifestyle

Course Length: One or two semesters
Grade Level: 10, 11, 12
Prerequisite: None
Course Credit: 5 or 10 credits

The purpose of this semester course is to introduce students to a variety of components involved in living a healthy lifestyle. This class will be a non-competitive environment, focusing on total body fitness. Students will participate in a variety of physical activities while broadening their knowledge about the benefits of a healthy lifestyle. Some of the activities offered during this course include, but are not limited to: workouts on cardiovascular machines, workout videos, body toning with weights, cross training, and abdominal work-outs.

****A student must take Fitness for a Healthy Lifestyle prior to Strength and Conditioning OR the student must have extensively participated in the before/after school program or the summer program according to the program director, coaches or both.**

Strength and Conditioning

Course Length: One or two semesters
Grade Level: 10, 11, 12
Prerequisite: Fitness for a Healthy Lifestyle
Course Credit: 5 or 10 credits

This is a semester-long class designed to teach proper lifting techniques, improve strength, and increase muscular endurance through a personally designed lifting and conditioning program. Students will also spend class time doing flexibility exercises designed to improve all ranges of joint motion so as to help reduce the likelihood of injuries. Improving agility will be another focus of this class. The overall goal of this class is to develop the proper attitudes that contribute toward an appreciation for strength and conditioning.

****A student must take Fitness for a Healthy Lifestyle prior to Strength and Conditioning OR the student must have extensively participated in the before/after school program or the summer program according to the program director, coaches or both.**

Fine Arts

Spanish 1-2

Course Length:	Two semesters
Grade Level:	9, 10, 11, 12
Prerequisite:	None
Course Credit:	10 credits

This is the foundation course in learning Spanish as a second language. The student begins to develop the skills of listening, speaking, reading and writing in Spanish. Vocabulary and rules of the language are studied. The cultures of Spanish-speaking countries and individuals are also embedded in the curriculum.

Note: Student must receive a B or higher each semester of Spanish 1, Spanish 2, Spanish 3 and Spanish 4 to continue to Spanish 5/6 and beyond.

Spanish 3-4

Course Length:	Two semesters
Grade Level:	10, 11, 12
Prerequisite:	Spanish 1-2
Course Credit:	10 credits

Spanish 3-4 continues the development of listening, speaking, reading and writing in Spanish. Use of Spanish in functional situations expands the student's understanding of vocabulary, grammar concepts, and the cultures of Spanish-speaking countries and individuals.

Note: Student must receive a B or higher each semester of Spanish 1, Spanish 2, Spanish 3 and Spanish 4 to continue to Spanish 5-6 and beyond.

Spanish 5-6

Course Length:	Two semesters
Grade Level:	11, 12
Prerequisite:	Spanish 3-4
Course Credit:	10 credits

Spanish 5-6 continues the development of listening, speaking, reading and writing skills in Spanish at the early to mid-intermediate level. Students will continue to develop and hone their basic interpersonal communication skills in Spanish by engaging in various meaning-based communicative activities, while beginning to build their cognitive academic language proficiency. The course will be centered around the study of comprehensible novels which gradually increase in challenge level, are embedded with broadened lexicon, and expose students to increased complexity of linguistic structures in Spanish. Discussion of cultural themes within the novels will aid students in developing increasing intercultural competence.

Note: Student must receive a B or higher each semester of Spanish 1, Spanish 2, Spanish 3, and Spanish 4 to continue to Spanish 5-6 and beyond.

Spanish 7-8

Course Length:	Two semesters
Grade Level:	11, 12
Prerequisite:	Spanish 5-6
Course Credit:	10 credits

Spanish 7-8 continues the development of listening, speaking, reading and writing skills in Spanish at the mid-intermediate to advanced level. Students will continue to develop cognitive academic language proficiency as they engage in meaning-based communicative activities in a wide variety of content-based thematic and cultural topics. Students will focus on developing, expanding and refining their academic writing and speaking skills through advanced writing and discussion activities. Students will continue to develop and expand their lexicon and facility with advanced linguistic structures, as well as continue to build advanced intercultural competence, through the study of short fiction and novels.

Note: Student must receive a B or higher each semester of Spanish 1, Spanish 2, Spanish 3, Spanish 4, Spanish 5, and Spanish 6 to continue to Spanish 7-8.

9th Grade Band

Course Length:	Two semesters
Grade Level:	9
Prerequisite:	By audition or director permission
Course Credit:	10 credits
Cost:	A \$25 per semester fee will apply to any band student using a school-owned musical instrument

9th Grade Band will provide students with an opportunity for continued development of musical fundamentals and a wide variety of musical literature and studies. Students will be required to participate in band performances. Band performances will include concerts, solo and ensemble festivals, marching experiences, and pep band.

Waverly Singers

Course Length:	One or two semesters
Grade Level:	9, 10, 11, 12
Prerequisite:	None
Course Credit:	5 or 10 credits

Waverly Singers is an advanced choral ensemble for ALL VOICES. Waverly Singers studies a variety of musical styles. Students will be expected to rehearse and perform using an advanced level of musicianship and self-discipline and will grow in their musical knowledge of sight-singing, solfege, vocal technique, and choral singing. Required evening concerts will be given throughout the year including fall, Holiday, Spring, and Large Group District Adjudicated events in April, as well as community performances. Students will also have the opportunity to participate in District Solo and Ensemble Adjudicated Events.

Varsity Band

Course Length:	Two semesters, **Students will also be required to attend 7:30 AM marching and sectional band rehearsals
Grade Level:	10, 11, 12
Prerequisite:	By audition or director permission
Course Credit:	10 credits
Cost:	Marching Band Camp Fees. A \$25 per semester fee will apply to any band student using a school-owned musical instrument

Varsity Band provides students an opportunity for continued development of music fundamentals and the study of a wide variety of musical literature and musical studies with emphasis on performance activities. Students will be required to participate in the band performances and activities in the areas of Marching Band, Concert Band, and Pep Band. Solos/small groups and jazz band are auditioned for and optional.

Students will also be required to attend 7:30 AM marching and sectional band rehearsals during marching season first semester. Students can only do one semester if it is a direct conflict with fulfilling a graduation requirement or there are no other options (proof by the counselors) in a conflict with another class.

A student must be in both semesters of varsity band to be eligible for jazz band participation, solo/small groups, and pep band.

Theatre

Course Length:	One semester
Grade Level:	9, 10, 11, 12
Prerequisite:	None
Course Credit:	5 credits

Theatre is a performing arts class designed to immerse students in the history, language, physical space, literature, writing, marketing, interpretation, technology, creative design, collaboration, physical movement, and vocal expression that is theatre. In this class, students will be exposed to all facets of the theatre and have the opportunity to delve into areas of their highest interest with the end result being a collaborative production.

Note: Students may take this class a second time if they received a B or higher the first time. Repeat students will have adjusted assignments and more opportunity to demonstrate leadership and hone individual skills.

Introduction to Art

Course Length:	One semester
Grade Level:	9, 10, 11, 12
Prerequisite:	None
Course Credit:	5 credits
Cost:	\$10 consumable fee

Want to try something new? This introductory class will explore all methods of artmaking including sculpting, fiber arts, drawing, printmaking, painting, and ceramics. An emphasis on building creativity will be encouraged through sketching and using the creative process to solve artistic problems. The primary goal of this course is to develop technical skills in a variety of media through process based, guided projects, for students new to the fine arts.

Note: This course cannot be repeated.

Art Exploration: Painting

Course Length:	One semester
Grade Level:	9, 10, 11, 12
Prerequisite:	Introduction to Art or 8 th Grade Art
Course Credit:	5 credits
Cost:	\$20 consumable fee

This class will be dedicated to learning and exploring painting styles and techniques. Each student will explore the various applications of painting, techniques involving, and the use of appropriate art elements that include line, shape, texture, color, and value. Students will also be exposed to a variety of expressive experiences using the principles of design to enhance their own personal awareness. Students will be introduced to watercolor, acrylic and oil paints exploring styles such as expressionism, surrealism, impressionism, realism and abstract art. Students will be responsible to pay for consumable materials.

Note: This course cannot be repeated.

Art Exploration: Sculpting

Course Length:	One semester
Grade Level:	9, 10, 11, 12
Prerequisite:	Introduction to Art or 8 th Grade Art
Course Credit:	5 credits
Cost:	\$20 consumable fee

Explore the various materials used to create sculptures. Each student will be introduced to the theory, techniques, and construction methods of sculpture. Materials such as wire, plaster, paper mache, wood, foam board, and found objects will all be used to construct 3-D forms of art. Emphasis will be placed on the design process and elements of art. Students will be responsible to pay for consumable materials.

Note: This course cannot be repeated.

Art Exploration: Drawing and Printmaking

Course Length:	One semester
Grade Level:	9, 10, 11, 12
Prerequisite:	Introduction to Art or 8 th Grade Art
Course Credit:	5 credits
Cost:	\$20 consumable fee

It all starts and ends with drawing, the foundation every artist needs. Each student will expand upon skills in a two-dimensional framework. Advanced drawing and design techniques will be explored as will printing processes such as block printing. Basic elements of art, and the principles of design, will be incorporated into each area. Emphasis will be on creating a more finished and refined product. Students will be responsible to pay for consumable materials.

Note: This course cannot be repeated.

Art Exploration: Ceramics/Pottery

Course Length:	One semester
Grade Level:	9, 10, 11, 12
Prerequisite:	Introduction to Art or 8 th Grade Art
Course Credit:	5 credits
Cost:	\$20 consumable fee

Learn to create with your hands! This course includes instruction in all hand building techniques including sculpting, pinch, coil, slab, and the pottery wheel. Each student will be introduced to ceramic materials, techniques of pottery construction, surface treatments and glazing, and safe operation of relative tools and equipment. Students will be introduced to clay as an artistic, functional material using elements and principles of design as they relate to pottery. Students will be responsible to pay for consumable materials.

Note: This course cannot be repeated

Advanced Art/Portfolio Development

Course Length:	One semester
Grade Level:	11, 12
Prerequisite:	Introduction to Art, and at least 1 of the following; Drawing & Printmaking, Sculpture, Painting, Ceramics, OR Teacher/Counselor Approval
Course Credit:	5 credits
Cost:	\$20 consumable fee

Do you love art? Have you taken all of the art courses offered at WHS and are considering continuing in the fine arts after high school? Then this course is for you! This independent study will be tailored to student interests. Students in advanced art will develop a professional digital portfolio, prepare artist statements and commit to completing larger, more detailed works of art in their chosen medium. Advanced art will include opportunities to work on scholarships, tips for photographing and presenting your artwork (including matting, framing, and constructing canvases) and help you make connections to working artists in our community. You will develop a body of work that showcases your personal style and visual voice.

Math

Pre-Algebra

Course Length:	Two semesters
Grade Level:	9
Prerequisite:	REQUIRES teacher/counselor recommendation; MAP score will be considered
Course Credit:	10 credits

This course builds on a students' understanding of basic math concepts covered in middle school and helps provide a necessary foundation for success in Algebra 1-2.

Algebra 1-2

Course Length:	Two semesters
Grade Level:	9, 10, 11, 12
Prerequisite:	None
Course Credit:	10 credits

This course uses students' understanding of basic math concepts to develop algebraic concepts and skills to provide a necessary foundation for success in future studies in mathematics. A successful foundation is achieved through learning to write, solve, and graph linear and exponential equations, solving systems of linear equations, and modeling real-life linear and exponential functions. Students will learn the notations and symbolic representations that will be further developed in later mathematics courses.

Geometry

Course Length:	Two semesters
Grade Level:	9, 10, 11, 12
Prerequisite:	Algebra 1-2
Course Credit:	10 credits

This introductory Geometry course integrates some formal proof with concept development. Students will study plane figures such as triangles, quadrilaterals, and other polygons through deductive and inductive reasoning. Students will also learn the vocabulary, notations, and properties used to describe one, two, and three-dimensional objects as well as study ratios, proportions, and right triangle trigonometry. Emphasis will be placed on spatial visualization, algebra-geometry relationships, technology, and proofs.

Honors Geometry

Course Length:	Two semesters
Grade Level:	8, 9, 10
Prerequisite:	Algebra 1-2 (with a strong academic performance both semesters with a recommended grade of at least a B earned both semesters) MAP/Pre ACT score and/or teacher recommendation will be considered.
Course Credit:	10 credits

This honors course of geometry explores additional topics and investigates topics in *greater* depth and at a much *faster* speed than in the standard course. The honors course also includes a more substantial study of algebra, technology, and formal proof throughout the course.

Algebra 3-4

Course Length:	Two semesters
Grade Level:	9, 10, 11, 12
Prerequisite:	Algebra 1-2 and Geometry/Differential Geometry
Course Credit:	10 credits

Algebra 3-4 is essential for most colleges and many vocational programs. This course builds upon student mastery of algebraic expressions and forms by reemphasizing solutions and graphs of linear functions from Algebra 1-2 and expanding to solutions and graphs of quadratics, powers and roots, and functions based upon these concepts. Students study logarithmic, trigonometric, polynomial and other special functions, learning of their abstract properties and of their uses as tools for modeling real-world situations. Students will also deepen their understanding of probability as well as learn how to use graphing calculators and other technologies. Algebra 3-4 also places emphasis on ACT preparation.

Honors Algebra 3-4

Course Length:	Two semesters
Grade Level:	9, 10, 11, 12
Prerequisite:	Algebra 1-2 and Geometry/Differential Geometry (with a strong academic performance, earning a recommended grade of at least a B both semesters) ; Algebra placement test, MAP/Pre ACT score and/or teacher recommendation will be considered.
Course Credit:	10 credits

Honors Algebra 3-4 offers an alternative to Algebra 3-4 for students looking to challenge their mathematical abilities and pursue careers and programs of study in math and science. The curriculum consists of traditional Algebra 3-4 concepts plus foundational topics from precalculus. These latter topics could include functions built from high-order polynomials, rational expressions, logarithms, and trigonometry. Across all of these topics, the curriculum will require students to solve complex problems and then apply, analyze, and evaluate the results. Three factors differentiate Honors Algebra 3-4 from Algebra 3-4: faster pace, increased content volume, and higher expectations for attaining depth of knowledge. To qualify for Honors Algebra 3-4, a student must have demonstrated a strong Algebra 1-2 performance, a teacher recommendation and qualifying scores on the NWEA MAP Growth assessments and on algebra placement test (to be administered during Geometry or Honors Geometry fall semester exam).

Pre-Calculus

Course Length:	Two semesters
Grade Level:	10, 11, 12
Prerequisite:	Algebra 3-4 (recommended grade of at least a B earned both semesters - MAP/Pre ACT score will be considered)
Course Credit:	10 credits

Pre-Calculus is designed for those students who intend to continue their study of mathematics in the traditional Calculus sequence. This course involves work with functions and their graphs, including polynomial, rational, logarithmic, and trigonometric functions. Applications use real-life data for analysis. Graphing calculators are used in plotting functions and regression analysis. Units on sequences and series, statistics, and probability are also included. Pre-Calculus also places emphasis on ACT preparation.

Integrated Math

Course Length:	Two semesters
Grade Level:	11, 12
Prerequisite:	Algebra 1-2 and Geometry (Previous math course grades and MAP/Pre ACT score will be considered. REQUIRES teacher recommendation)
Course Credit:	10 credits

Integrated Math is intended to provide students with opportunities to strengthen beginning algebra and geometry skills while broadening their understanding of real-world mathematics through discrete math concepts. Students will be able to demonstrate mastery of linear concepts, algebraic expressions, quadratics, polynomials, exponential functions, measures of distance and capacity and be able to explain the relationships within and between geometric figures and polygons using written words and mathematical sentences. They will be introduced to and provided learning experiences in probability and statistics. Integrated Math also places emphasis on ACT preparation.

Pre-College Math

Course Length:	Two semesters
Grade Level:	11, 12
Prerequisite:	Algebra 3-4 (Pre ACT/ACT scores will be considered)
Course Credit:	10 credits

This course is designed to provide students with the skills and knowledge needed to pursue a 2 or 4 year non-math college degree with a goal of building on the foundations of mathematics, preparing students for the rigor of a college level math course. Students will extend their understanding of trigonometry concepts, functional mathematics, and statistical computation throughout the year. Pre-College Math also places emphasis on ACT preparation.

College Technical Math

Course Length:	One semester
Grade Level:	12
Prerequisite:	Permission from math teacher or counselor required. Recommendation: Minimum of an 18 on the math section of the ACT OR a C of higher in Algebra 3-4 or Integrated Math. **Contact your college's admissions office regarding how this credit will be accepted for certain programs **Students should have at least 3 years (30 credits) of math before taking College Technical Math
Course Credit:	5 credits

This course provides the practical mathematics skills needed in a wide variety of occupational areas, including plumbing, welding, transportation, electrical/electronics, construction, machine technology, agriculture, HVAC, health and many more. Students will receive a direct practical approach that emphasizes careful, complete explanations and actual on-the-job applications. This course includes a review of arithmetic operations, ratios and proportions, algebraic operations, geometrical relationships and right triangle trigonometry with emphasis placed on applications.

Interested students can also earn college credit by dual enrolling through SCC and paying for/earning the credit.

**Contact your college's admissions office regarding how this credit will be accepted for certain programs.

SCC SENCAP / DC Advantage Application needed. (Application forms are available from the counseling office). Mark DC Advantage in the APPLYING FOR area. MATH 1020 - Technical Math - 3 credits.

Note: This course is not accepted by four-year colleges or universities as a Math course for entrance.

Applied Math

Course Length:	Two semesters
Grade Level:	12
Prerequisite:	Permission from math teacher or counselor required
Course Credit:	10 credits

This course is intended for seniors who learn mathematics best in an applied setting and for students heading toward vocational-technical careers. Algebra and geometry concepts are taught in occupational settings. Students will be involved with making measurements in lab situations, making calculations with the collected data, and discussing the results. Topics in the course come from pre-algebra, algebra, geometry, and consumer math.

College Statistics

Course Length: Two semesters
Grade Level: 11, 12
Prerequisite: Algebra 3-4 (recommended minimum grade of B earned both semesters)
Course Credit: 10 credits

Do you have an interest in Business, Psychology, Social Sciences, the Medical Field, or Economics? Are you going to college? If yes, College Statistics may be for you! This course will cover all the statistics that are covered in a college statistics course! The practical application of statistical thinking to contemporary issues; collection and organization of data; probability distributions; statistical inference; estimation; hypothesis testing. A graphing calculator (preferably of the TI-83+ / TI-84+ family) is required.

Interested students can also earn college credit by dual enrolling through SCC and paying for/earning the credit.

****Contact your college's admissions office regarding how this credit will be accepted for certain programs.**

SCC SENCAP / DC Advantage Application needed. (Application forms are available from the counseling office). Mark DC Advantage in the APPLYING FOR area. MATH 2170/BSAD 2170 Applied Statistics 3 credits.

College Calculus

Course Length: Two semesters
Grade Level: 11, 12
Prerequisite: Pre-Calculus (with a minimum grade of B earned both semesters)
Course Credit: 10 credits

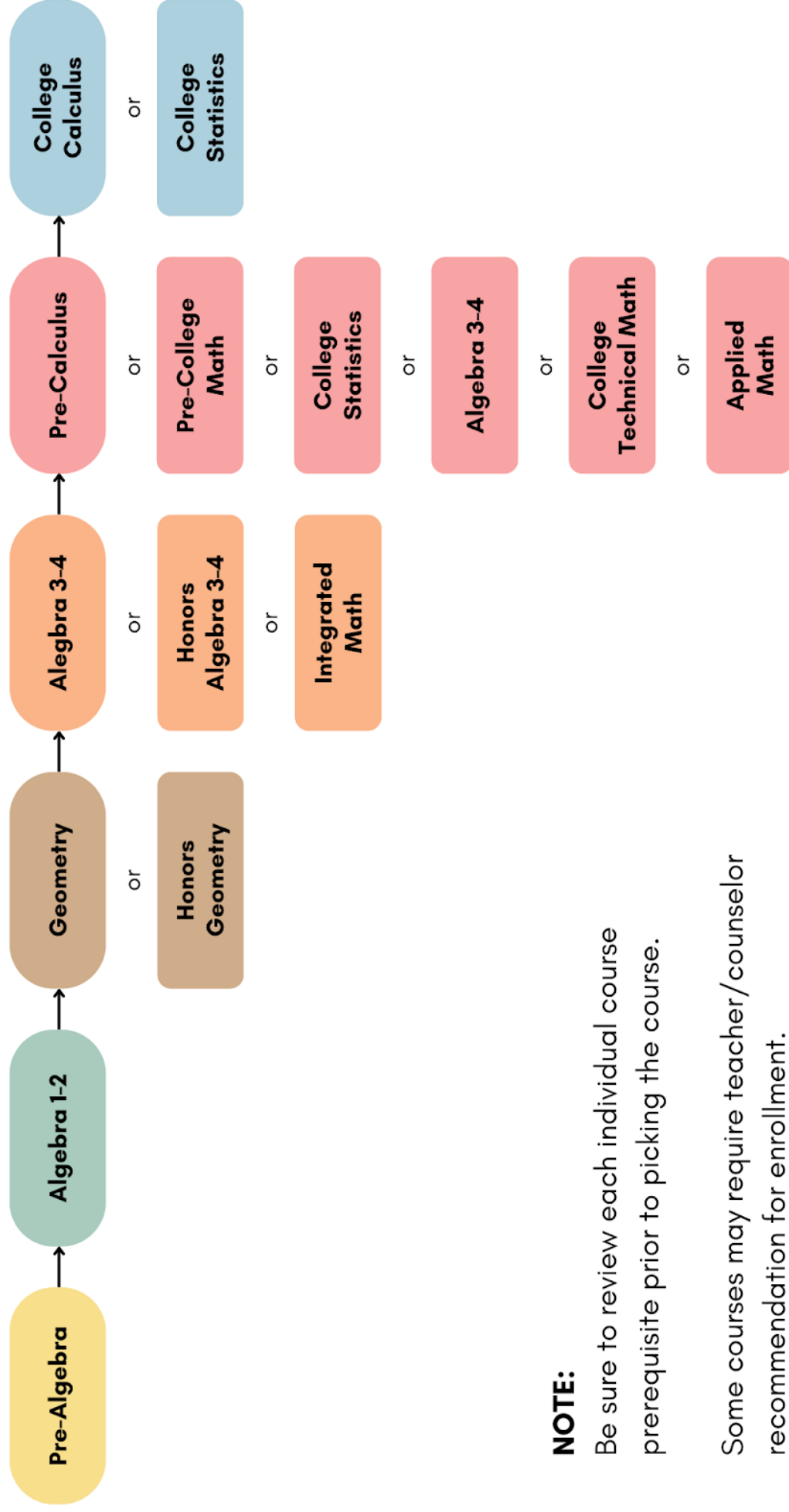
This course is a study of analytical geometry and single variable calculus. Topics include limits, continuity, derivatives, and applications of derivatives, integrals, and application integrals. A graphing calculator (preferably of the TI-83+ / TI-84+ family) is required.

Interested students can also earn college credit by dual enrolling through SCC and paying for/earning the credit.

****Contact your college's admissions office regarding how this credit will be accepted for certain programs.**

SCC SENCAP / DC Advantage Application needed. (Application forms are available from the counseling office). Mark DC Advantage in the APPLYING FOR area. MATH 1600 Analytic Geometry & Calculus 5 credits.

3 YEARS OF MATH ARE REQUIRED FOR GRADUATION



NOTE:

Be sure to review each individual course prerequisite prior to picking the course.

Some courses may require teacher/counselor recommendation for enrollment.

English

English 9

Course Length: Two semesters
Grade Level: 9
Prerequisite: Required
Course Credit: 10 credits

This is a year-long, introductory English course in which students will develop their reading, writing, speaking, and listening skills in an integrated program of individual, small, and large group work. The focus of the course is reading comprehension and basic writing skills. Students will read and analyze both literary and nonfiction texts with opportunities to craft effective oral and written responses.

Shea, Renee, H. et al. *Foundations of Language and Literature*. Bedford, Freeman, and Worth, 2018.

English 10

Course Length: Two semesters
Grade Level: 10
Prerequisite: Required
Course Credit: 10 credits

This is a year-long course in which students will develop their reading, writing, speaking, and listening skills in an integrated program of individual, small, and large group work. One focus of the course is reading analysis where students analyze how authors use different elements of literature to develop themes. The other focus is argumentative essay writing with an emphasis on using strong evidence from a variety of credible sources with accurate MLA citations and a Works Cited.

English 11

Course Length: Two semesters
Grade Level: 11
Prerequisite: Required or Honors English 11
Course Credit: 10 credits

This is a year-long, required course in which students will develop their reading, writing, speaking, and listening skills in an integrated program of individual, small, and large group work. This course is designed to acquaint students with American literature, with an emphasis on independent note-taking, student-led discussion, analysis in written form, and identifying literary elements. Study of the selected literature will be organized around dominant cultural, historical, and social themes.

Honors English 11

Course Length: Two semesters
Grade Level: 11
Prerequisite: B's or higher in previous English courses
Course Credit: 10 credits

This class is a faster-paced, rigorous study of American literature and rhetoric. Course readings are designed to reflect the rich diversity of American society and the variations of styles that emerged as writers explored the rapidly shifting social and political landscape of America. Students will be invited to explore the historical context from which the writings were produced to better understand the cultural, political, and economical spaces associated with the writers and their reading audiences. Students will engage in a variety of inquiry-based activities: discussions, both classroom and electronic, collaborative research presentations, and literary analysis writing. Students will employ MLA format for all writing assignments and presentations.

English 12

Course Length: One semester
Grade Level: 12
Prerequisite: None
Course Credit: 5 credits

Reading and writing for the real world. This course is designed to prepare students for post-secondary educational and professional endeavors. Students will explore potential post-graduation opportunities and engage contemporary issues through research, analysis, and argumentation. Students will engage topics through oral, written, and electronic modes of communication.

Writing Through Literature

Course Length: One semester
Grade Level: 12
Prerequisite: None
Course Credit: 5 credits

Students will read a manageable variety of contemporary or classic books, short stories, and poetry. Selections may highlight different cultures and world issues. The readings will provide opportunities for discussions, written reflection, and creative writing. Students will gain an appreciation for reading and writing as lifelong learners.

College English 12

Course Length:	Two semesters
Grade Level:	12
Prerequisite:	Earning a B average in English 11
Course Credit:	10 credits high school credit (3 hours College Credit Option)**

Special Note: Students enrolled in a college-level course will NOT be able to drop the course at the beginning of either 1st or 2nd semester. Students are expected to complete daily assignments on time. Late work is not accepted.

This college-level course provides students with extended practice in writing and rhetoric as inquiry and argument in a supportive, student-centered environment. Particular attention will be given to the role of revision in the writing process. In addition to this study of rhetoric and composition, students will identify and investigate contemporary social issues that are meaningful in students' lives or communities, analyze college-bound literature, learn challenging vocabulary, and increase their proficiency in English grammar and conventions.

****College Credit Option:** College English 12 provides students the option of enrolling in the Nebraska Wesleyan University Honors Academy in order to receive both high school and college credit. Students who dual enroll will be granted 3 credits for ENGLISH 1010 by Nebraska Wesleyan following the successful completion of both semesters of College English 12. Students interested in the option will be able to register for the Honors Academy by the first week in October and pay the approximate \$285 tuition after billed.

College Applied Communication

Course Length:	One semester
Grade Level:	12
Prerequisite:	None
Course Credit:	5 credits

This course is the study of principles and techniques of writing effective business letters, electronic and written messages, and reports through the process of planning, writing, editing, and revising for the intended audience. Students will practice using the principles of grammar, punctuation, and correct word usage that have practical application in writing for business purposes. Students will learn effective business communication processes and types, practice business-appropriate writing of many types, and build analytical thinking skills applied to business communication situations. The goal is communication through effective documents that will help a student succeed at work and school.

Interested students can also earn college credit by dual enrolling through SCC and paying for/earning the credit.

SCC SENCAP / DC Advantage Application needed. (Application forms are available from the counseling office). Mark DC Advantage in the APPLYING FOR area. ENGL 1110 for 3 credits.

Note: This course is not accepted by four-year colleges or universities as an English course for entrance.

English Pathways

******Seniors planning to attend a two-year college, apprenticeship, trade school, etc. could take one of the following English Pathways:

College Applied Communication (one semester)

AND

Writing through Literature (one semester)

******Seniors planning to attend a four-year college or university should take one of the following English Pathways:

College English 12 (two semesters) (if you meet the requirements for entry)

OR

English 12 (one semester) **AND** Writing through Literature (one semester)

Science

Earth/Physical Science

Course Length: Two semesters
Grade Level: 9
Prerequisite: Required
Course Credit: 10 credits

Semester 1: Earth and Space Science is the study of the processes that shape the Earth and explain the universe. This course will explore the branches of Earth Science, which includes the following: geology, meteorology, climate, and astronomy. In this science course, students will learn in detail about the Earth's interior and the theory of plate tectonics, how spheres of the Earth interact with each other, the influence that weather and climate have on the Earth, how Earth has changed over geologic time and lastly looking at the formation of stars and other stellar objects in the universe.

Semester 2: Physical Science is the study of the relationship between matter and energy. This class will provide an introduction to basic physics. Students will learn about Newton's Laws of Motion, Forces, Waves, and Electromagnetic Radiation, and Energy Transfer.

Biology

Course Length: Two semesters
Grade Level: 10
Prerequisite: Required
Course Credit: 10 credits

This course explores the foundation of cellular biology, the relationship between structure and function from molecules to organisms and systems, the interdependence and interactions of biotic and abiotic components of the environment, and mechanisms that lead to changes in populations over time.

Chemistry

Course Length: Two semesters
Grade Level: 10, 11, 12
Prerequisite: A student must have completed, or is concurrently enrolled in, Algebra 3-4
Course Credit: 10 credits

This course is for students interested in pursuing degrees in STEM (Science, Technology, Engineering, and Mathematics) fields. Topics on methods in measurement, atomic structure, light, energy, periodic law, chemical composition, bonding, nomenclature, chemical reactions, mass to mole relationships, and stoichiometric calculations will be covered. There will be at least one demonstration or lab activity with each chapter designed to use the scientific methods and reinforce topics covered in the text. The student will benefit from this solid course for college preparation plus a clearer understanding of many observable natural occurrences, involving such things as boiling and melting points, energies absorbed or produced in chemical reactions and logical solutions to problem solving.

Note: A student must take Chemistry OR Advanced Physical Science to meet graduation requirements.

Anatomy and Physiology

Course Length: Two semesters
Grade Level: 11, 12
Prerequisite: Biology
Course Credit: 10 credits

Anatomy and Physiology focuses on the structure and function of the human body. The curriculum in this course provides a challenging opportunity for students who are interested in a career in life sciences, the medical profession, or athletic training. Human body systems are studied by using various methods of application to explore structures and their functions. Students are expected to work together and interact regularly with one another.

Note: Students may take anatomy & physiology concurrently with chemistry or advanced physical science.

Physics

Course Length: Two semesters
Grade Level: 11, 12
Prerequisite: Algebra 3-4
Course Credit: 10 credits

Physics is the study of the fundamental rules of the Universe. We will study motion, the make up and behavior of different forms of matter, waves, and the behavior of electrons. Many of the examples and experiments will explain phenomena found in everyday life. This course is highly recommended for students planning to enter a medical, science, or engineering field of study in college.

Note: Students may take physics concurrently with chemistry or advanced physical science.

Advanced Physical Science

Course Length: Two semesters
Grade Level: 10, 11, 12
Prerequisite: Earth/Physical Science
Course Credit: 10 credits

Advanced Physical Science is the study of matter and energy and includes basic chemistry. Labs or investigations are used to give students hands-on learning and practical applications to interact with the material. Topics that will be studied include matter, the periodic table, elements, mixtures, compounds, chemical reactions, light and electromagnetic spectrum, energy, and heat.

Note: A student must take Chemistry OR Advanced Physical Science to meet graduation requirements.

Advanced Placement Biology

Course Length: Two semesters

Grade Level: 11, 12

Prerequisite: Biology

Course Credit: 10 hours

Other: AP Exam – Approximate student expense \$100 examination fee. Please visit the College Board Website at <http://apcentral.collegeboard.com> for more information.

AP Biology is a rigorous and demanding course, which is the equivalent of an introductory college biology course. Content will be covered in more depth and greater expectations will be placed on interpretation and analysis of information than previous biology courses. In addition, statistical analysis of data and modeling of concepts will be expected. A significant amount of studying must be completed at home to allow time for discussion, labs, and inquiry during class time. The AP Biology curriculum encompasses 4 “big ideas” with Essential Knowledge and Process Skills that support each one.

Big Idea 1: Evolution – the process of evolution drives the diversity and unity of life.

Big Idea 2: Cellular Processes (Energy and Communication) – Biological systems utilize free energy and molecular building blocks to grow.

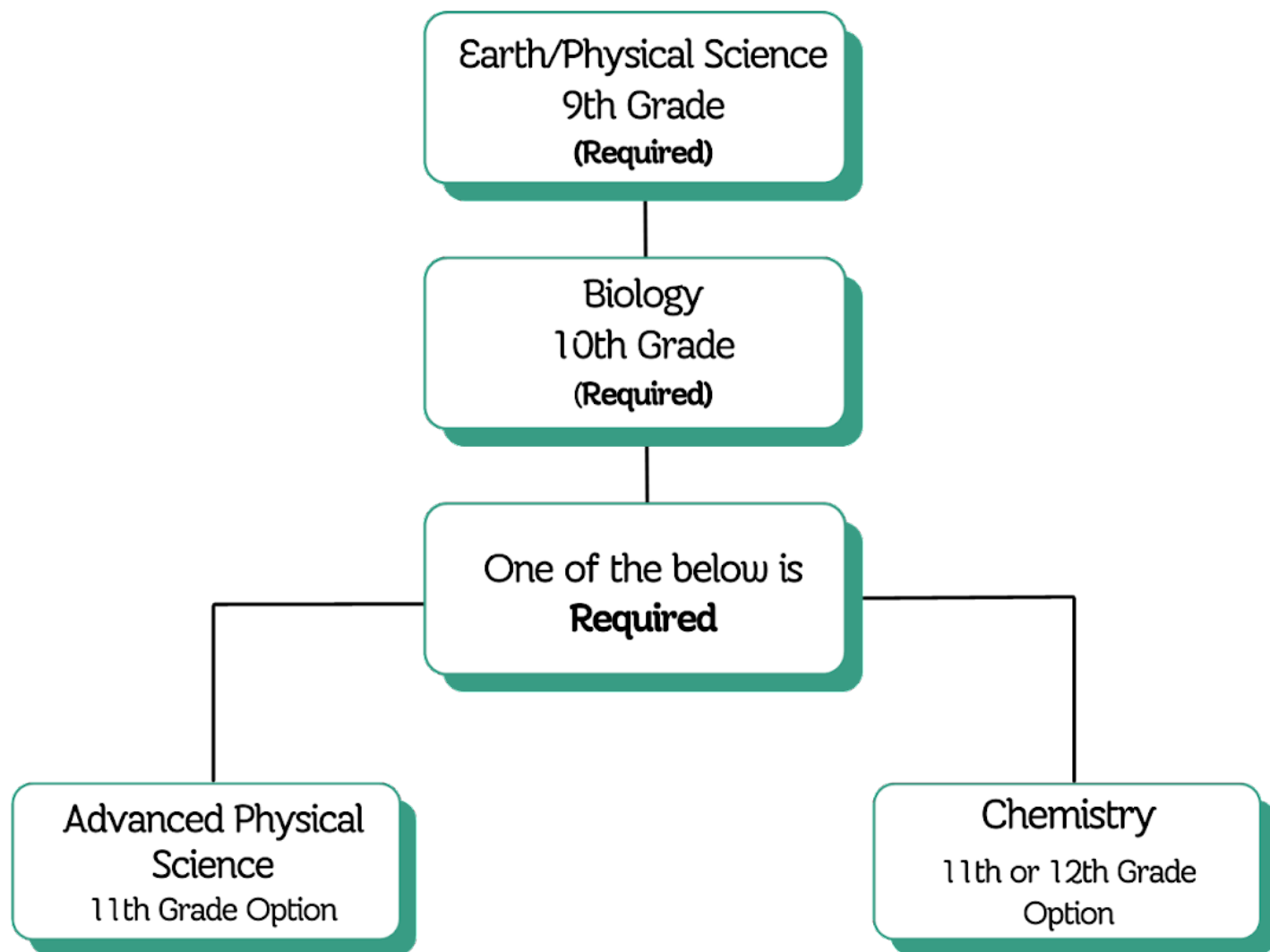
Big Idea 3: Genetics and Information Transfer – living systems store, retrieve, transmit, and respond to information essential to life processes.

Big Idea 4: Interactions – Biological systems interact and these systems and their interactions possess complex properties.

Note: Students may take AP biology concurrently with chemistry or advanced physical science.

3 YEARS OF SCIENCE ARE REQUIRED FOR GRADUATION

Earth/Physical Science
Biology
Chemistry **OR** Advanced Physical Science



SCIENCE ELECTIVES

Anatomy
11th or 12th Grade

AP Biology
11th or 12th Grade

Physics
11th or 12th Grade
If requirements are met

Social Studies

United States History

Course Length: Two semesters
Grade Level: 9, 10, 11, 12
Prerequisite: Required
Course Credit: 10 credits

This course studies United States History from the 1870's through the early 21st Century. The course is centered around seven central frameworks (themes): Civic Ideals & Practices, Power & Authority, Innovation & Change, Economics, Conflict & Consequence, Beliefs & Culture, and Geography.

World History

Course Length: Two Semesters
Grade Level: 10, 11, 12
Prerequisite: Required
Course Credit: 10 credits

World History (prehistory to present era) is centered around seven central frameworks (themes): Civic Ideals & Practices, Power & Authority, Innovation & Change, Economics, Conflict & Consequence, Beliefs & Culture, and Geography.

World Geography and Cultures

Course Length: One Semester
Grade Level: 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

Students will use the tools of geography to view, analyze, and interpret events in their surroundings and throughout the world. Students will also examine people, places, and societies of the contemporary world through the lens of geography, history, and culture. In-depth lessons make students feel like they actually had their passports stamped in a tour of countries across Europe, Africa, Asia, and the Americas.

Psychology

Course Length: One semester
Grade Level: 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

Psychology is the scientific study of the human mind and its functions, especially those affecting behavior. The purpose of this course is to establish a basic foundation in psychology. The study of psychology is evident in all aspects of our lives from how we remember items in school to how stress affects our health. Through experimentation, research, collaboration, and direct instruction you will learn the following elements in the study of psychology: personality, human development, the brain, consciousness, sensation/perception and psychological disorders.

Constitution and Citizenship

Course Length: One semester
Grade Level: 12
Prerequisite: Required
Course Credit: 5 credits

This course includes a survey of federalism based on local and national government. The class will explain the evolution of the Federal Constitution. A variety of textbooks, reading material, films, and class projects will be utilized.

Microeconomic Principles

Course Length: One semester
Grade Level: 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

The purpose of microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within an economic system. It places primary emphasis on the nature and functions of product markets and includes the study of market factors and the role of government in promoting greater efficiency and equity in the economy.

Throughout this course, you will experience cross-curricular activities: the scientific method, graphing, ratios, reports, monetary figures, other statistics comparisons, data creation and analysis. All this in the name of economic study and understanding.

****College Credit Option:** Microeconomic Principles provides students the option of enrolling in the Nebraska Wesleyan University Honors Academy in order to receive both high school and college credit. Students who dual enroll will be granted 3 credits for ECON 1540 by Nebraska Wesleyan following the successful completion of one semester of Microeconomic Principles. Students interested in this option will be able to register for the Honors Academy at the onset of the course and to pay the approximate \$285 tuition when billed.

Macroeconomic Principles

Course Length: One semester
Grade Level: 10, 11, 12
Prerequisite: None
Course Credit: 5 credits

The purpose of macroeconomics is to give students a thorough understanding of the principles of economics that apply to the economic system as a whole. The course places particular emphasis on the study of national income and price-level determination and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

Throughout this course, you will experience cross-curricular activities: the scientific method, graphing, ratios, reports, monetary figures, other statistics comparisons, data creation and analysis. All this in the name of economic study and understanding.

****College Credit Option:** Macroeconomic Principles provides students the option of enrolling in the Nebraska Wesleyan University Honors Academy in order to receive both high school and college credit. Students who dual enroll will be granted 3 credits for ECON 1530 by Nebraska Wesleyan following the successful completion of one semester of Macroeconomic Principles. Students interested in this option will be able to register for the Honors Academy at the onset of the course and to pay the approximate \$285 tuition when billed.

Special Education

Essential Communications

Course Length: One or two semesters
Grade Level: 9, 10, 11, 12
Prerequisite: Must be identified **and** have permission of counselor and case manager
Course Credit: 5 credits

Discover & deepen your knowledge and skills necessary for gaining appropriate communication skills. This course will help improve social skills and social interactions among teens and will support the growth and goals of each student's IEP. Students will focus on skills related to making and keeping friends and managing peer conflict and rejection. Students will work through lessons with concrete rules and steps, be responsible for homework assignments, and participate in unique, fun activities to ensure that teens are comfortable incorporating what they've learned. The following are the key focuses uncovered in this course:

- Trading Information, Two-Way Conversations and Electronic Communication
- Choosing Appropriate Friends
- Appropriate Use of Humor
- Starting, Joining and Exiting Conversations
- Good Sportsmanship
- Get-Togethers
- Handling Arguments
- Changing Reputations
- Handling Teasing and Embarrassing Feedback
- Handling Physical and Cyber Bullying
- Minimizing Rumors and Gossip

Text: The PEERS Curriculum for School-Based Professionals: Social Skills Training for Adolescents with Autism Spectrum Disorder. Laugeson, Elizabeth A. 2014.

English Foundations

Course Length: Two semesters
Grade Level: 9, 10, 11, 12
Prerequisite: Must be identified **and** have permission of counselor and case manager
Course Credit: 10 credits

This course provides a skills-based approach to reading and writing for students with special needs. Students will gain basic reading and writing skills that are prerequisite skills for success throughout their lives. Skill development will be facilitated according to individual needs. Areas of focus will include reading accuracy, fluency, and generalization; sentence structure preparation and design; graphic organization; and strategy use. English Foundations will help students increase their appropriate use of vocabulary and standard English conventions for sentence structure, usage, punctuation, capitalization, and spelling. Students will be able to gain an appreciation and enjoyment of English. It will replace the English 9, English 10 and/or English 11 graduation requirement, based on the student's year in school. Students may take English Foundations all four years if that is the appropriate placement for the student.

Essential Reading

Course Length: Two semesters
Grade Level: 9, 10, 11, 12
Prerequisite: Must be identified **and** have permission of counselor and case manager
Course Credit: 10 credits

This course is modified to meet each student's needs. It focuses on the reading skills needed to become a productive participant in society. Students will connect treading to their everyday lives and specific needs to gain successful employment and independent living. Students will build skills needed to function safely in daily activities. The areas of focus include building the vocabulary needed to: communicate their wants and needs, asking for assistance both in the community and workplace, recognizing and understanding community and survival signs, using menus and basic banking forms, reading a calendar, recognizing personal data, safely using information found on labels, reading the weather, reading written directions, making a shopping list, and more.

Math Foundations

Course Length: Two semesters
Grade Level: 9, 10, 11, 12
Prerequisite: Must be identified **and** have permission of counselor and case manager
Course Credit: 10 credits

Math Foundations is a math course for students who need to improve their basic math skills and number sense, which are prerequisite skills for success in future math courses. Skill development will be facilitated according to individual needs. Areas of focus will include the following: improve skills in the basic operations; use knowledge of basic math skills and apply them to "real-life" situations; how to properly use a calculator; interpret simple graphs and tables; learn to read, use and convert simple measurement tools; and learn basic algebra and geometry concepts.

Essential Math

Course Length: Two semesters
Grade Level: 9
Prerequisite: Must be identified **and** have permission of counselor and case manager
Course Credit: 10 credits

This course is modified to meet the student's needs. Practical math for jobs in restaurants, automobile salerooms, machine shops, service stations, stores, and banks. Includes thorough instruction in basic math skills using real-life situations, word problems, exercises, puzzles, and more. The course will focus on relating basic math skills to managing finances. The course may include budgeting, paying bills, managing a checkbook, buying and maintaining a car, computing taxes, banking, telling time, counting money, buying food, managing a household, using in different forms, calculator usage, and cooking. This course will also focus on relating basic math skills to everyday living and using hands-on activities.

Study Skills

Course Length: Two semesters
Grade Level: 9, 10, 11, 12
Prerequisite: Must be identified **and** have permission of counselor and case manager
Course Credit: 10 credits

Study Skills classes are available to those students who are identified for resource assistance. Students will be required and expected to bring and work on assignments from general education classes as well as complete weekly vocational, learning, self- advocacy and strategy activities. Assistance will be provided by resource teacher(s) and paraeducator(s) in order to strengthen academics and other skill areas.

Functional Skills

Course Length: Two semesters
Grade Level: 9, 10, 11, 12
Prerequisite: Must be identified **and** have permission of counselor and case manager
Course Credit: 10 credits

The course is modified to meet the student's individual needs. The following are samples of the skills that may be taught in this course: daily living skills, laundry, household chores, cooking, filling out a job application, social skills, career readiness technical skills, how to check and compose emails, internet safety, emergency preparedness, basic first-aid, and more. Students may take part in community-based learning opportunities to enhance the application of these skills.

Success

Course Length: Two semesters
Grade Level: 9, 10, 11, 12
Prerequisite: Must be identified **and** have permission of counselor and case manager
Course Credit: 10 credits

The High School Success Program is a specialized education program designed to support students who may benefit from a more structured and targeted instruction approach to address their behavioral and academic needs. This program ensures that students receive the appropriate level of support based on their individual needs.

Life Skills

Course Length: Two semesters
Grade Level: 10, 11, 12
Prerequisite: Must be identified **and** have permission of counselor and case manager
Course Credit: 10 credits

The Life Skills course was created to establish a basic foundation for student independence by introducing living skills, social skills, career exploration, recreation, and leisure activities that will increase and improve the student's quality of life. Community based learning opportunities are provided to enhance the application of these skills.

Advanced Communications

Course Length:	One semester or two semesters
Grade Level:	9, 10, 11, 12
Prerequisite:	Communications & Must be identified <u>and</u> have permission of counselor and case manager
Course Credit:	5 credits or 10 credits

Discover and deepen your knowledge and skills necessary for gaining, maintaining, and interpreting communications. This course will improve social skills and social interactions among teens, between teens and adults, and between teens and employers to support the growth and goals of each student's IEP. Students will focus on skills related to managing peer conflict and rejection, self-advocacy, and interpreting figurative language in conversation and communications. Students will work through lessons with concrete rules and steps, be responsible for homework assignments, and participate in unique, fun activities to ensure that teens are comfortable incorporating what they've learned. The following are key focus areas covered in this course:

- Trading information and starting conversations
- Trading information and maintaining conversations
- Finding a source of friends
- Electronic communication
- Appropriate use of humor
- Entering group conversations
- Exiting conversations
- Get-togethers
- Dating Etiquette--Do's and Don'ts
- Handling Disagreements
- Handling direct and indirect bullying
- Work-related communication and conversation
- Code-Switching

Text: PEERS for Young Adults--Social Skills Training for Adults with Autism Spectrum Disorder and other Social Challenges. Laugeson, Elizabeth A. 2017.

Work Experience (Beginning Level)

Course Length:	Two semesters
Grade Level:	10, 11, 12
Prerequisite:	Must be identified <u>and</u> have permission of counselor and case manager
Course Credit:	Varies

Student will be provided a non-paid work opportunity at a work site(s) within the district or community during the school day. Student will have regular coaching or support as needed. Staff will monitor and evaluate work site performance and growth throughout. In addition to the work site experience, students will explore different types of careers through shadowing, tours, and research. Students will be exposed to resume writing, interviewing skills, and various workplace concepts within a classroom setting. Student will reflect upon and communicate personal growth in the skill outcome areas throughout the duration of the course.

- **Dependence Level of Student:** Co-dependent
- **Work Site Frequency and Duration:** 1-3 Days/week, 1-2 periods
- **Prerequisite Skills:** Must be identified with an Individual Education Plan (IEP), Willingness to learn about careers, vocational skills, and seek employment.
- **Skill Outcomes:** Basic Vocational Skills, Basic Interpersonal Skills, Self-Awareness, Self Regulation, Self Efficacy, Self Advocacy, Goal Setting/Attainment

Work Experience (Developing Level)

Course Length: Two semesters
Grade Level: 10, 11, 12
Prerequisite: Must be identified **and** have permission of counselor and case manager
Course Credit: Varies

Student will be provided a non-paid work opportunity at a work site(s) in the community during the school day. Student will have consistent coaching or support as needed. Staff will monitor and evaluate work site performance and growth throughout. In addition to the work site experience, students will explore different types of careers through shadowing, tours, and research. Students will deepen their resume building, interviewing, and job seeking/keeping skills within a classroom setting. Student will reflect upon and communicate personal growth in the skill outcome areas throughout the duration of the course.

- **Dependence Level of Student:** Independent with Coaching
- **Work Site Frequency and Duration:** 3-5 Days/week at least 1-2 periods per day
- **Prerequisite Skills:** Must be identified with an Individual Education Plan (IEP), Demonstrates proficiency in all entry level work experience skills.
- **Skill Outcomes:** Vocational Skills, Resume, Job Application, Mock Interview, Quality of Work, Work Speed, Follows Directions, Working with Others, Initiation, Safety, Body Language, Self Advocacy, Workplace Readiness

Work Experience (Independent Level)

Course Length: Two semesters
Grade Level: 10, 11, 12
Prerequisite: Must be identified **and** have permission of counselor and case manager
Course Credit: Varies

Student will be provided a non-paid work opportunity at a work site(s) in the community during the school day. Student will have initial coaching or support as needed. Staff will monitor and evaluate work site performance and growth throughout. Student will reflect upon and communicate personal growth in the skill outcome areas throughout the duration of the course.

- **Dependence Level of Student:** Independent
- **Work Site Frequency and Duration:** Up to 4 Days/week, minimum 2 periods per day
- **Prerequisite Skills:** Must be identified with an Individual Education Plan (IEP), Demonstrates proficiency in all developing level work experience
- **Skill Outcomes:** Resume, Mock Interview, Discover individual career interests and strengths, Critical Thinker, Creative Thinker, Problem Solver, Independent and Responsible Citizen, Communicator, Collaborator, Confident Learner

Waverly High School

Graduation Requirements

English

40 Credits

- Must Include English 9, 10, & 11

Social Studies

30 Credits

- Must include United States History, World History, & Constitution

Fine Arts

10 Credits

Mathematics

30 Credits

Science

30 Credits

- Must include Earth/Physical Science & Biology
- Must include Advanced Physical Science OR Chemistry

Physical Education

15 Credits

- Must include Health

Financial Literacy

5 Credits

- Personal Finance

Computer Science and Technology

5 Credits

- Foundations of Computing

*(Graduating Class of
2028 & beyond)*

Electives

80 Credits

*(Graduating Class of
2024-2026)*

75 Credits

*(Graduating Class of
2028 & beyond)*

Total Credits Needed

240 Credits

Note: 1 semester class = 5 credits

Four-Year College Recommendations:

- 40 credits of math
- 40 credits of English
- 30 credits of social science (social studies)
- At least 30 credits of science
- At least 20 credits (two years) of Spanish

Grading Scale for the 2024-25 school year

Grade Scale:	Grade Scale: AP & Dual Credit
A - 93 - 100 = 4 mark points	A - 90 - 100 = 4 mark points
B - 85 - 92 = 3 mark points	B - 80 - 89 = 3 mark points
C - 77 - 84 = 2 mark points	C - 70 - 79 = 2 mark points
D - 69 - 76 = 1 mark point	D - 60 - 69 = 1 mark point
F - 0 - 68 = 0 mark points	F - 0 - 59 = 0 mark points
P - Pass	

Previous grades will not retroactively adjust but will utilize this grading scale moving forward.

Notice of Non-Discrimination

School District 145 does not discriminate on the basis of sex, disability, race, color, religion, veteran status, national or ethnic origin, marital status, pregnancy, childbirth or related medical condition, or other protected status, or other protected status in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. The Director of Special Education/Student Services Coordinator has been designated to handle inquiries regarding the non-discrimination policies, including Federal Title IX and Section 504 compliance procedures, for students, employees and others:

Delanie McMillan, 14511 Heywood Street, P.O. Box 426, Waverly, NE 68462 (402) 786-2321.

For further information about anti-discrimination laws and regulations, or to file a complaint of discrimination with the Office for Civil Rights in the U.S. Department of Education (OCR), please contact the OCR at 601 East 12th Street, Room 353, Kansas City, MO 64106, (800) 368-1019 (voice), Fax (816) 426-3686, (800) 537-7697 (telecommunications device for the deaf), or ocr.kansascity@ed.gov. The Complaint Form can be found on the district website at www.district145.org. Click on the Central Office Tab, Click on Notice of Non-Discrimination.