

Neoga Jr-Sr High School

2024-2025



Course Description Book and Graduation Requirements

F-Freshman S-Sophomore J-Junior E-Senior

GRADUATION REQUIREMENTS FOR NEOGA HIGH SCHOOL * adopted 2020-21

GRADUATION REQUIREMENTS: 5 credits each year for four years for a minimum of 20 total credits, which must include the following required subjects:

English	4 Credits	Music, Foreign Language, <u>or</u> Vocational education	1 Credit
Social Studies:	2 Credits	Health Education	1/2 Credit
American History-	1	Driver Ed Classroom	1/4 Credit
U.S. Constitution-	1/2	Mathematics	3 Credits
Consumer Econ-	1/2		
Physical Education	4 Credits		
Science	2 Credits		

****It is STRONGLY recommended that students take 4 YEARS OF MATH**

It is **STRONGLY RECOMMENDED** that each student take 6 credits per year to learn the maximum, insure adequate credit accumulation, and **preserve interscholastic eligibility.**

***FOUR-YEAR COLLEGE ENTRANCE REQUIREMENTS: vary, but recommended are:**

4 credits in English	3 credits in math (or computer programming) starting with Algebra
3 credits in Lab Science	3 credits in Social Studies
2 credits in Foreign Language, Art, Music or Vocational Ed.	

40 COMMUNITY SERVICE HOURS

Beginning with the Class of 2026, students will be asked to complete 40 hours of community service. These hours must be independent of those accumulated for other sports/club activities (i.e. representing the Music Dept. or FFA at Sooeey Fest, cannot also count for school community service hours).

-Volunteer or service hours CANNOT be paid nor work/chores done for an immediate family member.

-Volunteer or service hours CAN include work at: animal shelters, community clean up, Sunday School, Vacation Bible School, food bank, Neoga Days, Hometown Christmas, helping community groups complete service projects (Buck's, Legion, any churches), giving blood, etc.

MATH COURSE OPTIONS

Algebra I
Algebra IA
Algebra IB
Geometry
Informal Geometry
Algebra II
Senior Math
Business Math
Calculus

Below are the sequences for the order in which courses are recommended:

College/University

Algebra I

Geometry

Algebra II

Calculus

General/Vocational

Algebra IA

Algebra IB

Informal
Geometry

Senior
Math**

OR

Business
Math**

*Students will enter Algebra I or Algebra IA based on teacher recommendation and placement test results. Upon entering high school, students will follow one of the recommended sequences shown above.

**Business Math counts as a math credit ONLY if taken senior year.

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CAREER AND TECHNICAL EDUCATION (CTE) CONCENTRATORS

When students take more than one CTE course within a domain, they can 'earn' a concentrator designation. This includes taking an orientation course, introductory course and skill level course. Neoga High School offers the following concentrators in Agriculture and Business.

Business-

- Finance/Accounting
- Business & Administration/ Entrepreneurial (second one due to CEO course).
- Business & Administration/Admin Assistant and Secretarial Science.
- Information Technology -Computer Networking.

Agriculture

- Agribusiness
- Power,Structural and Technical Systems.
- Natural Resource Systems
- Plant Systems.

PREPARATION FOR COLLEGE

Many students applying for admission into a 4-year college or university find that their high school preparation has been inadequate. Some of the courses they took were unnecessary. Others that they should have taken were missing.

What follows is a guide to aid those students who plan to enter a 4-year college or university. *All students must realize that college admission requirements are constantly changing.* While it is not possible to cover every situation in a list of this sort, this guide should prove to be a helpful basic outline. The Counselor will be able to assist you further with your course selections.

COLLEGE ENTRANCE REQUIREMENTS for State Universities in Illinois:

English	College Prep Math	Lab Science	Social Studies	Foreign Language*, Music, Art, Vocational
4	3	3	3	2

*(*The Foreign Language entrance requirement varies from 2-4 years, depending on the University. Be sure to check with the counselor.)*

COLLEGE COURSE OF STUDY	HIGH SCHOOL SUBJECTS RECOMMENDED	ADDITIONAL ENRICHMENT COURSES
Liberal Arts & Sciences (Pre-Law, Languages, Social Science, etc.)	4 Credits of English 4 Credits of Math 3 Credits of Science 2 Credits of Foreign Lang. 3 Credits of Soc. Science	English Courses Math Courses Social Sciences Science Courses Speech Course
Science, Mathematics Pre-Medical Professions	4 Credits of English 4 Credits of Mathematics All Biological Sciences Chemistry & Physics 2 Credits Foreign Lang. 3 Credits Social Science	Social Sci. Courses Computer Courses English Courses
Engineering, Chemistry, Physics	4 Credits of Math 3 Credits Biology Science Chemistry & Physics 3 Credits Social Science 2 Credits Foreign Lang. 4 Credits of English	English Courses Computer Courses

Agriculture	4 Credits of English Business Math	English Courses Agribusiness Power,Structural and Technical Systems. Natural Resource Systems Plant Systems.
Dietician	3 Credits of Math 3 Credits Biol. Science 2 Credits Foreign Lang. Chemistry 3 Credits Social Science	Social Sci. Courses Science Courses Health Occup.
Business Admin. Accounting Economics Marketing, Commerce	4 Credits of English 3 Credits of Math 3 Credits of Soc. Science Business Math Business Law 3 Credits of Science 2 Credits Foreign Lang.	English Courses Math Courses Social Science Speech Course Finance/Accounting Business & Administration/ Entrepreneurial Business & Administration/ Admin Assistant and Secretarial Information Technology
Architecture	4 Credits of English 4 Credits of Math 2 Credits Foreign Lang. 3 Credits Physics & Science 3 Credits of Social Science	English Courses Social Sciences
Nursing	4 Credits of English 3 Credits of Math All Biological Sciences Chemistry Health Occupation	English Courses Math Courses Social Sciences
Education	4 Credits of English 2 Credits of For. Lang. 4 Credits of Math 4 Credits of Nat. Science 3 Credits of Soc. Science	English Courses Social Science Math Science Courses

GUIDANCE AND COUNSELING SERVICES

Many students do not take advantage of the high school's guidance services until it is almost too late to assist them in entering the vocation they have chosen. Students should contact the Counselor as freshmen and become familiar with the services available.

Aside from personal counseling, the counselor can assist students in applying for financial assistance to attend college. Financial aid falls into three categories; scholarships, loans, and grants. The first of these is generally weighed in terms of the academic performance and/or talents of the student. Grants are usually given on the basis of financial need with no consideration given to academic standing. Loans are granted to students at a lower interest rate; however, they often require a co-signer.

The Counselor will keep a record of your academic accomplishments while you are a student at Neoga High School. You should check with the counselor periodically to see if you are making progress toward graduation.

THE PRECEDING GUIDE IS GENERAL. STUDENTS SHOULD CHECK WITH THE COUNSELOR FOR SPECIFIC INFORMATION ABOUT REQUIREMENTS AT SPECIFIC COLLEGES OR UNIVERSITIES.

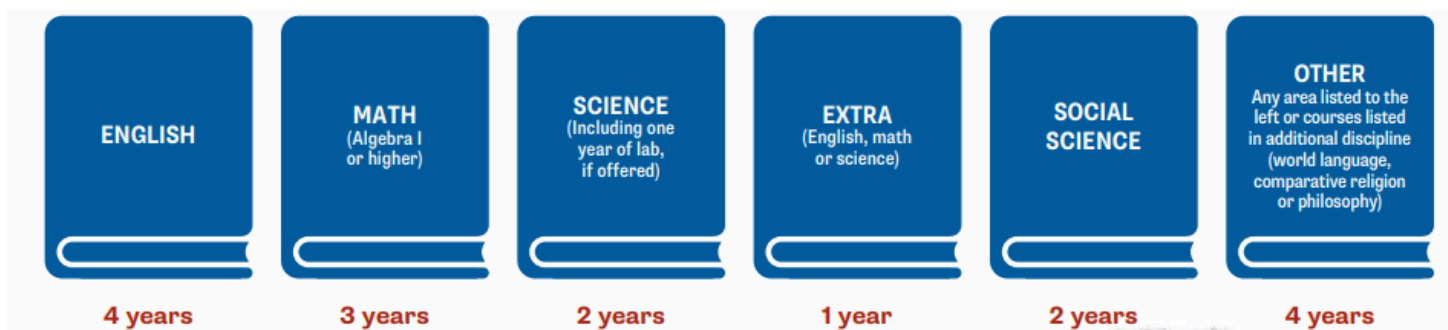
IT IS ALSO RECOMMENDED THAT STUDENTS BE ACTIVE PARTICIPANTS IN THEIR EDUCATION AND KEEP TRACK OF THEIR OWN ACADEMIC PROGRESS AND SCHOOL/COMMUNITY INVOLVEMENT.

NCAA DIVISION I & II ATHLETIC ELIGIBILITY

Division I schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:



1. Earn 16 NCAA-approved core-course credits in the following areas:



Division II schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:



1. Earn 16 NCAA-approved core-course credits in the following areas:



- Division I-** -min core GPA 2.3 /4.0
-complete 10 of 16 courses including seven english, math or science before the start of the seventh semester
- Division II-** -min core GPA 2.2 /4.0

****See each course description to identify which subject courses meet the NCAA requirements.**

Students who wish to protect their athletic eligibility at a large college should consult with the

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school counselor each year during pre-registration.

COURSE DESCRIPTIONS

**The following is an inclusive list of course offerings. Certain courses may not be offered each year due to enrollment numbers.

ENGLISH CURRICULUM

F	ENGLISH I	<i>NCAA Approved</i>	1 Credit	1 Year
	English/Language Arts I (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.			
S	ENGLISH II	<i>NCAA approved</i>	1 Credit	1 Year
	<i>(Satisfies the writing intensive course requirement)</i>			
	English/Language Arts II (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.			
J	ENGLISH III	<i>NCAA approved</i>	1 Credit	1 Year
	<i>(Satisfies the writing intensive course requirement)</i>			
	English/Language Arts III (11th grade) courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the 7 writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.			
E	ENGLISH IV	<i>NCAA approved</i>	1 Credit	1 Year
	English/Language Arts IV (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.			

- JE MEDIA STUDY/DIGITAL MEDIA TECHNOLOGY** **1/2 Credit 1 Semester**
- This course emphasizes knowledge and skills that will enable students to understand media communications in the twenty-first century and to use media effectively and responsibly. Through analyzing the forms and messages of a variety of media works and audience responses to them, and through creating their own media works, students will develop critical thinking skills, aesthetic and ethical judgment, and skills in viewing, representing, listening, speaking, reading, and writing. This will be a project based class with appropriate formative assessment materials in between. English/Composition (juniors and seniors) courses are designed for juniors and/or seniors and build upon previous writing skills. Reinforcing the logic and critical-thinking skills that accompany good writing, these courses—which emphasize word choice, usage, and writing mechanics—provide continued and advanced instruction in writing for a variety of purposes and audiences. English/Composition (juniors and seniors) courses may emphasize college or business preparation; literature study may be offered as an additional component in which students analyze examples of several genres.
- **Must be taken senior year to count as English Credit*
- INTRO TO SPEECH COMMUNICATION- *NCAA approved*** **Dual Enrollment LLC**
- E** **1/2 Credit 1 Semester**
- This course focuses on the fundamental principles and methods of selecting, analyzing, organizing, developing and communicating information, evidence, and points of view to audiences.
- JE MODERN PROBLEMS** **(Satisfies the writing intensive course requirement)** **1/2 Credit 1 Semester**
- Modern Problems is a semester discussion and composition course for juniors and seniors. In this course, students will analyze modern problems through discussions and writing after reading scholarly, reviewed articles and current news articles. Non-fiction materials will be used to enhance student discussion and dialogues. Students will keep a daily organized journal on their readings and in-class discussions. Parts of the class will focus on applicable basic life skills necessary for students to succeed. Similarly, students will demonstrate abilities in logic and problem solving through hands-on assessments. Background reading and class discussion will precede student writing. English/Composition (juniors and seniors) courses are designed for juniors and/or seniors and build upon previous writing skills. Reinforcing the logic and critical-thinking skills that accompany good writing, these courses—which emphasize word choice, usage, and writing mechanics—provide continued and advanced instruction in writing for a variety of

F **1 Credit** **1 Year**

(Satisfies the Algebra I course requirement)

This Algebra I course includes the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first-degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; solving quadratic equations; and modeling linear data. Specific content depends upon state standards.

ALGEBRA IA *NCAA approved*

F **1 Credit** **1 Year**

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

ALGEBRA I B *NCAA approved* **Pre-Req: Alg IA**
S **1 Credit** **1 Year**

(Satisfies the Algebra I course requirement)

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

GEOMETRY *NCAA approved* **Pre-Req: Algebra**
SJE **1 Credit** **1 Year**

(Satisfies the Geometry content requirement)

This Geometry course, emphasizes an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; circles, and rules of angle measurement in triangles, quadrilaterals, vertical angles, lines intersected by a transversal, etc.

INFORMAL GEOMETRY **Pre-Req: Algebra**
SJ **1 Credit** **1 Year**

(Satisfies the Geometry content req- does NOT meet the college math requirement)

Informal Geometry courses emphasize a practical approach to the study of geometry and deemphasize an abstract, formal approach. Topics typically include properties of and work with plane and solid figures; inductive methods of reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; circles; and rules of angle measurement in triangles, quadrilaterals, vertical angles, lines intersected by a transversal, etc.

ALGEBRA II *NCAA approved* **Pre-Req: Geometry**

JE **1 Credit** **1 Year**

Algebra II course topics typically include developing an understanding of the relationships between the symbolic, graphic, tabular and verbal representations of functions; utilizing the various representations to interpret function behavior and solve equations; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher-degree equations; exponential functions; inverse functions; statistical modeling; modeling linear and quadratic data; and operations with rational and irrational exponents.

E **CALCULUS** *NCAA approved* **Pre-Req: B or higher in Algebra II**
1 Credit **1 Year**

Calculus courses include the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis).

JE **SENIOR MATH/TRANSITIONAL MATH** **Pre-Req: Geometry or Informal Geo**
1 Credit **1 Year**

Math course framework designed to prepare and transition students directly into college and career pathways requiring general education college level math competencies in quantitative literacy and statistics. The competencies within each domain should include but are not limited to: numeracy (operation sense, estimation, measurement, quantitative reasoning, basic statistics, and mathematical summaries), application based algebraic topics, and functions and modeling. Upon completion students should be able to: demonstrate proficiency and understanding in basic numeracy competencies in whole numbers, integers, fractions, and decimals, use estimation and explain/justify estimates, apply quantitative reasoning to solve problems involving quantities or rates, use mathematical summaries of data such as mean, median, and mode, use and apply algebraic reasoning as one of multiple problem-solving tools, and use functions and modeling processes. Course to be delivered through authentic application, problem-based instruction designed to build mathematical conceptual understanding and critical thinking skills.

JE **BUSINESS MATH** **1 Credit** **1 Year**

Business mathematics is a one-year course emphasizing both business and personal use of mathematical skills. This class is designed to give students immediate practice in solving real business problems. It is intended to refresh, intensify, and drill on the arithmetic of business. It emphasizes math as it applies to on the job situations and to social and economic implications. The course will cover such topics as money records, payroll, borrowing money, saving and investing, taxes, banking, and home expenses.

***Must be taken senior year to count as a math credit.*

JE **in Chem I & Geometry**
 Usually taken after a comprehensive initial study of chemistry, Chemistry—Advanced Studies courses cover chemical properties and interactions in more detail. Advanced chemistry topics include gasses, organic chemistry, thermodynamics, electrochemistry, oxidation-reduction reactions, kinetic theory, and nuclear chemistry. This is a lab based course.

JE **HUMAN ANATOMY AND PHYSIOLOGY** *NCAA approved* **Pre-Req: Biology**
1 Credit 1 Year
 Usually taken after a comprehensive initial study of biology, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals. This is a lab based course.

E **PHYSICS** *NCAA approved* **Pre-Req: Chem & Algebra II**
1 Credit 1 Year
 Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, kinematics, forces, momentum, and the relationships between matter and energy. The study may also include examination of planetary orbits, sound, light, and electromagnetic phenomena. This is a lab based course.

JE **AP BIOLOGY** *NCAA approved* **Pre-Req. Bio and Chem**
(both minimum grade of B)
 Adhering to the curricula recommended by the College Board and designed to parallel college level introductory biology courses, AP Biology courses emphasize four general concepts: evolution; cellular processes (energy and communication); genetics and information transfer; and interactions of biological systems. For each concept, these courses emphasize the development of scientific inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. AP Biology courses include college-level laboratory investigations. This is a lab based course.

SOCIAL STUDIES/HISTORY CURRICULUM

FSJE **WORLD GEOGRAPHY** *NCAA approved* **1/2 Credit 1 Semester**
 World Geography courses provide students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

FSJE **WESTERN CIVILIZATION I** *NCAA approved* **1/2 Credit 1 Semester**
 Western Civilization I is offered to help students understand the stages of western cultural

development which have strongly influenced our society. This course will survey prehistoric man's achievements, the civilizations of Egypt, Greece, and Rome, and the medieval Period. Course content typically includes a survey of the major developments in and contributors to art and architecture, literature, religion and philosophy, and culture. The course may also cover intellectual and political movements.

WESTERN CIVILIZATION II *NCAA approved* **1/2 Credit 1 Semester**
FSJE Western Civilization II continues to trace the development of western culture after 1500 A.D. Topics included in this survey are the Renaissance, development of modern democracy in Europe, nationalism, imperialism, industrialization, and the increasing international interdependence. Course content typically includes a survey of the major developments in and contributors to art and architecture, literature, religion and philosophy, and culture. The course may also cover intellectual and political movements.

U.S. CONSTITUTION *NCAA approved* **1/2 Credit 1 Semester** *Required*
E U.S. Constitution/Government provides an overview of the structure and functions of the U.S. government and political institutions and examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics.

PSYCHOLOGY *NCAA approved* **1/2 Credit 1 Semester**
FSJE Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology. Students will use reading, writing, and critical thinking skills to discuss and analyze concepts and issues relevant to psychology.

SOCIOLOGY *NCAA approved* **1/2 Credit 1 Semester**
FSJE Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

AMERICAN HISTORY *NCAA approved* **1 Credit 1 Year** *Required*
J This course provides students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social and historical developments. Course content may include a history of the North American peoples before European settlement.

S	CONSUMER ECONOMICS	Required 1/2 Credit 1 Semester
	Consumer Economics/Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one's personal finances. These courses emphasize lifespan goal-setting, individual and family decision making, and consumer rights as well as topics that are commonly associated with personal finance so that one can become a financially responsible consumer. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also investigate the effects of the global economy on consumers and the family.	

BUSINESS EDUCATION CURRICULUM

FSJE	COMPUTER CONCEPTS & SOFTWARE APPLICATIONS	1/2 Credit 1 Semester
	This one-semester course will provide students with hands-on operation using word processing, spreadsheet, and communications software. Formatting and production of personal and business correspondence will be covered. During the entire course emphasis will be placed on correct document formatting and proofreading. Students will also explore topics related to computer concepts, operating systems, telecommunications, and emerging technologies. Digital literacy and responsibility will also be covered in this class.	

SJE	BUSINESS CONCEPTS	1/2 Credit 1 Semester
	This one semester course covers an array of topics and concepts related to the field of business. Topics covered include the various forms of business ownership, including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing, administration, and production). An overview of the American economic system and corporate organization, as well as the role of government in business, consumerism, credit, investment and management will be covered. Business ethics as well as other workplace skills will be taught and integrated within this course.	

FSJE	INFORMATION PROCESSING I with Microsoft Office	Pre-Req: Computer Concepts 1/2 Credit 1 semester
	This is a one semester course designed to provide students with hands-on experience in the use and applications of word processing, spreadsheet, database management, presentation, and desktop publishing software using Microsoft Office. During the entire course, emphasis will be placed on correct document formatting and proofreading. Workplace skills as well as communication skills (thinking, listening, composing, revising, editing and speaking) will be taught and integrated throughout this course and digital literacy and responsibility will also be emphasized.	

JE	BUSINESS MATH	1 Credit 1 Year
	Business mathematics is a one-year course emphasizing both business and personal use of mathematical skills. This class is designed to give students immediate practice in solving	

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real business problems. It is intended to refresh, intensify, and drill on the arithmetic of business. It emphasizes math as it applies to on the job situations and to social and economic implications. The course will cover such topics as money records, payroll, borrowing money, saving and investing, taxes, banking, and home expenses. **This course counts as a math credit if taken as a senior.

BUSINESS LAW

JE

1/2 Credit 1 Semester

The one-semester course addresses the legal principles of business and personal law and how it impacts business and personal life. Topics include ethics, the legal/court system, contracts and their legal implications, and consumer protection. This course is designed to familiarize students with certain fundamental principles of law applicable to the economy and provides practical legal information and problem solving opportunities which will give the students knowledge and skills necessary for survival in our business world.

ACCOUNTING I/II

JE

1 Credit 1 Year

Accounting is a full-year skill level course that is of value to all students pursuing a strong background in business, marketing, and management. This course includes career exploration and develops initial and basic skills used in systematically computing, classifying, recording, verifying, and maintaining numerical data involved in financial records, including payment and receipt of cash and preparation of payroll records and financial statements. Computerized accounting may be integrated as well. Practice sets with business papers may be used to emphasize actual business records management and student fees could be assessed.

CEO REGIONAL ENTREPRENEURSHIP CLASS

JE

2 Credits 1 Year

CEO is a year-long course designed to utilize partnerships that provide an overview of business development and processes. Our local business community partners with schools to create project-based experiences for students by providing funding, expertise, meeting space, business tours and one-on-one mentoring. Students visit businesses, learn from guest speakers, participate in a class business, write business plans, and start and operate their own businesses. Business concepts learned through the experiential CEO class are critical; the 21st century skills of problem-solving, teamwork, self-motivation, responsibility, higher-order thinking, communication, and inquiry are at the heart of a student's development throughout the course. Students and parents must make arrangements for the student's transportation to and from CEO class, as well as business visits. Students and parents interested in this program should contact the Guidance Counselor for further details.

*This course requires an application and is run by a facilitator outside of Neoga HS.

**Students have the opportunity to earn dual credit in LLC Business 120 (Business Career Development) and Business 142 (Introduction to Business)- 3 credit hours each.

AGRICULTURAL EDUCATION CURRICULUM

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INTRODUCTION TO THE AGRICULTURE INDUSTRY

FSJE

1 Credit 1 Year

This course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics, will be presented. Students will learn about FFA History, Structure, parliamentary procedure, leadership skills and public speaking. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

AGRICULTURAL SCIENCE/ ANIMAL SCIENCE

SJE

1 Credit 1 Year

This course is designed to expand student's understanding and knowledge of agricultural related sciences and skills needed to evolve and preserve the agricultural industry. Major units of instruction include soil science, agronomy, natural resources, advanced animal science, and advanced plant science/horticulture. Second semester introduces students to the livestock (beef, dairy, sheep, goats, and swine), poultry, and large (equine) animal industry and provides them with basic animal science knowledge that can be further developed in advanced animal science courses. Major units of instruction include animal science careers, animal anatomy and physiology, animal reproduction, animal nutrition, genetics, animal health, small and large animal care, and meat science. Improving computer and workplace skills will be a focus. Curriculum is further enhanced with numerous labs and hands-on experiences, FFA student organization activities and Supervised Agricultural Experience (SAE) projects.

AGRICULTURAL MECHANICS I

SJE

1 Credit 1 year

In this course, theory and hands-on experiences provide opportunities for students to develop basic knowledge and skills in agricultural mechanics. Instructional areas include the basic shop safety, hand and power tool knowledge, fasteners, basic fundamentals of maintaining and repairing small gasoline engines, basic electricity, basic plumbing, concrete, welding, construction, and operating agricultural equipment safely. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

AGRICULTURAL MECHANICS II/AG WELDING

JE

**Pre-req: Ag Mech I
1 Credit 1 Year**

This course will concentrate on expanding student's knowledge and experiences with agricultural mechanics technologies utilized in the agricultural industry. Units of instruction included are design, construction, fabrication, maintenance, welding, electricity/electronics, internal combustion engines, hydraulics, and employability skills. Careers of agricultural construction engineer, electrician, plumber, welder, equipment designer, parts manager,

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safety inspector, welder, and other related occupations will be examined. This course will also emphasize the development of basic welding skills necessary to succeed in the agricultural metal fabrication industry. Topics of instruction include: welding safety, metal identification and properties, joint design and terminology, metal preparation, use of oxy-acetylene torch , Stick Metal Arc Welding (SMAW) focusing on the flat and horizontal position, Gas Metal Arc Welding (GMAW), project design and construction. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

HORTICULTURE SCIENCE/GREENHOUSE PRODUCTION

SJE

1 Credit 1 Year

This course is designed to introduce students to the horticulture industry and provide them with basic plant science knowledge that can be further developed in advanced horticulture courses. Major units of instruction include horticulture research, horticultural careers, plant anatomy, seed germination, plant propagation, growing media, hydroponics, identifying horticultural plants, growing greenhouse crops, and floral design. This course also provides advanced agriculture students a technical understanding and working knowledge of the greenhouse industry. Topics include safety, plant physiology, plant nutrition, integrated pest management, and greenhouse business concepts. Students will gain knowledge and skills related to the care and management of gardens and greenhouses. Agribusiness units will be introduced in merchandising, advertising, sales, and operating a greenhouse business. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

AGRICULTURAL CONSTRUCTION

JE

1 Credit 1 Year

This advanced course focuses on the knowledge, hands-on skills, and workplace skills applicable to construction in the agricultural industry. Major units of instruction include personal safety, hand tools, power tools, blueprint reading, surveying, construction skills in carpentry, plumbing, electricity, concrete, block laying, drywall, and painting. Careers such as agricultural engineers, carpenter, plumber, electrician, concrete and block layers, finishers, safety specialists, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

AGRICULTURAL BUSINESS AND MANAGEMENT

JE

1 Credit 1 Year

This course will provide students with the basic knowledge and skills necessary to manage personal finances and develop into a successful entrepreneur and/or businessperson. Instructional units include: business ownership types, starting an agribusiness, managing and operating an agribusiness, financing an agribusiness, managing personal finances, record keeping and financial management of an agribusiness, local, state, and federal taxes, agricultural law, and developing employability skills. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness applications. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for

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leadership development, career exploration and reinforcement of academic concepts.

NATURAL RESOURCES AND CONSERVATION

SJE

1 Credit

1 Year

This course develops management and conservation skills in understanding the connection between agriculture and natural resources. Student knowledge and skills are developed in: understanding natural resources and its importance; fish, wildlife, prairies, and forestry management and conservation; and exploring outdoor recreational enterprises. Hunting and fishing as a sport, growing and managing tree forests, and outdoor safety education (including the Hunter Safety course components) will be featured. Career exploration will be discussed including: park ranger, game warden, campground manager, forester, conservation officer, wildlife manager, and related occupations. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

HEALTH AND NURSING CURRICULUM

HEALTH EDUCATION

FS

1/2 Credit

1 Semester

Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources

REGIONAL HEALTH OCCUPATION

JE

2 Credits

1 Year

Students requesting an in-depth study into the health field may explore the nursing/health occupations program at Sarah Bush Hospital or St. Anthony Hospital. Students will attend class at the specified location while reviewing the course content to sit for the CNA exam. Later in the year, students will complete clinical rotations at various local locations. The student learns those competencies needed to perform as a nurse assistant under the direction of the registered nurse. The units of instruction should include the role of the nurse assistant while covering general health care topics; medical terminology; patients/clients and their environment; special feeding techniques; psychological support and, in long-term and terminal illness, death and dying (e.g., chronically ill, children, new mothers, and so on); and all other basic nursing skills. Topics covered typically include normal growth and development; feeding, transporting patients, hygiene, and disease prevention; basic pharmacology; first aid and CPR; observing and reporting; care of equipment and supplies; doctor, nurse, and patient relationships and roles; procedure and policies; medical and professional ethics; and care of various kinds of patients. Students and parents must make

F-Freshman S-Sophomore J-Junior E-Senior

arrangements for the student's transportation to and from the hospitals/ clinical rotations. Students and parents interested in this program should contact the Guidance Counselor for further details.

MUSIC EDUCATION

	BAND	1 Credit 1 Year
FSJE		Prereq.J.H. Band or Instr.consent
	Courses in Concert Band are designed to promote students' technique for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles, primarily for concert performances and also include experiences in creating and responding to music.	
	CHORUS	1 Credit 1 Year
FSJE		
	Chorus courses develop students' vocal skills within the context of a large choral ensemble in which they perform a variety of styles of repertoire. These courses are designed to develop students' vocal techniques and their ability to sing parts and include experiences in creating and responding to music.	
	MUSIC HISTORY AND APPRECIATION: THE EVOLUTION OF MUSIC	
FSJE		1/2 Credit 1 Semester
	Music History/Appreciation courses survey different musical styles and periods with the intent of increasing students' understanding of music and its importance in relation to the human experience. Music History/Appreciation courses may focus on how various styles of music apply musical elements to create an expressive or aesthetic impact. Students also have the ability for informal music performance and creation within the classroom.	
	MUSIC THEORY: THE BUILDING BLOCKS OF MUSIC	
FSJE		1/2 Credit 1 Semester
	Music Theory courses provide students with an understanding of the fundamentals of music and include the following topics: composition, arranging, analysis, and aural development.	

ART EDUCATION

	ART 1	1 Credit 1 Year
FSJE		
	Art I provides students with an introduction to multiple art forms and an opportunity to create individual works of art. This course provides exploration of processes of design, knowledge of elements and principles supporting a work of art. Although Art 1 focuses on creation, major artists, art movements and styles, students are encouraged to advance and further develop their own artistic styles.	

SJE	ART 2	1 Credit	1 Year
	Art II further develops the concepts covered in Art I, with more emphasis on drawing and design. In keeping with this attention on two-dimensional work, students typically work with several media including ink, graphite, charcoal and watercolor.		
JE	Art 3	1 Credit	1 Year
	Art III helps students apply fundamental processes of artistic expression to the media and aesthetics of crafts. This course will introduce digital art, genre specific art, and an emphasis on painting.		
E	Art 4	1 Credit	1 Year
	As a pre-approved independent study, Art IV students will select a particular art form or topic to expand their expertise and style, thereby advancing their skill level. This course will allow students to create, critique, and present artwork that clearly reflects obtained technical skills and interests.		

DRIVER EDUCATION CURRICULUM

FS	DRIVER EDUCATION	(Classroom Phase)
		1/4 Credit 1 Quarter
	<i>(PRE-REQ-Received a passing grade in at least 8 courses during the previous two semesters or consent of the Superintendent.)</i>	
	Drivers' Education—Classroom Only courses provide students with the knowledge to become safe drivers on America's roadways. Topics in these courses include legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). State of Illinois licensing examiners will test the students and will issue instruction permits upon successful completion. Students must pass this course before they will be permitted to take the "behind-the-wheel" phase.	
FS	DRIVER EDUCATION (Behind-The-Wheel)	No Credit
	Students will be assigned to this class by the driver education instructor. Students will be selected by age and the periods in which they are available to drive. The State of Illinois requires all drivers to pay for an instructional permit, which also covers the cost of their first license. An additional fee of \$150.00 will be assessed to help offset local program costs.	

PHYSICAL EDUCATION CURRICULUM

1 Credit a year Required

PHYSICAL EDUCATION -

F-Freshman S-Sophomore J-Junior E-Senior

FSJE

Students must be enrolled in Physical Education each semester.
 Any student excused from P.E. must have a written waiver signed by the principal.
 Waivers are not available to freshman or sophomores.. **Students will be required to dress for PE.

STUDY/WORK**CAREER EXPLORATIONS****1/4 Credit 1 Quarter****F**

Career Exploration is a nine-week class set up to help students identify and evaluate personal goals, priorities, aptitudes and interests, with the goal of helping them make informed decisions about careers. In addition, students will also work on employability essential skills with the goal of making them a more desirable employee.

COOPERATIVE EDUCATION WORKPLACE EXPERIENCE (CO-OP)**E****1 Credit****1 Year**

The cooperative work experience allows for students to earn credit for work experiences in the community. Students should be employed at least 12 hours per week and attendance is of the utmost importance. Only students with good attendance will be considered for the program. Students will be expected to complete weekly check-ins and students and employers should be in compliance with all federal, state and local laws and regulations.
 **This course is offered as pass/fail and does not count towards GPA

S.V.E.-Class/Work/Secondary Transition Experience**JE****2 Credits****1 Year**

The work portion of the SVE Class, will emphasize and enhance the orientation and skills taken in the vocational area. Written agreements and individual student training plans are then developed and agreed upon by the employer, student and coordinator.

DUAL CREDIT/DUAL ENROLLMENT COURSES-

*College Credit is earned through Lake Land. **Additional costs per course. ***see previous descriptions

-Dual Credit- Composition I/II- semester each. Taught by high school faculty. Counts as senior English credit.

-Dual Enrollment- Speech Communications- semester. Taught by Lake Land faculty.

-Dual Enrollment- Regional Health Occupations- full year- Taught by EIEFES faculty. Earns Lake Land credit

-Dual Credit- Regional Entrepreneurship Course (CEO)- full year- Facilitated by non high school faculty. earns Lake Land college credit.