



New London High School

**Academic Courses
2025/2026**

CURRICULUM HANDBOOK 2025-2026

In today's highly technical world, critical thinking, practical application of knowledge, and the ability to communicate and work with others are absolutely essential to everyone.

New London High School is committed to providing programs of study that will prepare students to meet the challenges they will face in our ever-changing society. Students are encouraged, in collaboration with their parents, to use this curriculum handbook as a guide to planning their future course of study.

Information in this handbook is designed to help high school and middle school students plan a four-year program. New London Community School District is currently in the process of having our students explore the 16 National Career Clusters. A description of the 16 Clusters is included in this handbook. Kuder Navigator is a web-based computer program will be utilized in 8th through 12th grades with group guidance activities and/or team teaching; career exploration. Electronic 4-Year Plans are required by the State of Iowa and will be produced within this format.

Students and parents are encouraged to look at the information in this handbook in order to get a clearer picture of courses and activities in high school which can have a positive impact on the readiness of the student for post secondary education and the world of work once they complete high school.

It is the policy of the New London Community School District not to illegally discriminate on the basis of race, color, national origin, gender, disability, religion, creed, age (Employment only), marital status, sexual orientation, gender identity and socioeconomic status (students/program only) in its educational programs and its employment practices. There is a grievance procedure for processing complaints of discrimination. If you have questions or a grievance related to this policy, please contact the district's Equity Coordinator, Jamie Cranston, Superintendent, 106 Jack Wilson Dr., 319.367.0512, Jamie.Cranston@nlcsd.org.

USE OF THIS HANDBOOK

1. **PLEASE READ COMPLETELY AND SHARE THE INFORMATION WITH YOUR PARENTS.**
2. **EACH STUDENT WILL HAVE THE OPPORTUNITY FOR A SCHEDULING MEETING WITH THE PRINCIPAL, COUNSELOR, OR A FACULTY MEMBER.**
3. **STUDENT SCHEDULES MUST HAVE PARENTAL APPROVAL**

SCHEDULE CHANGES OR SPECIAL REQUESTS MUST HAVE THE APPROVAL OF THE PRINCIPAL OR COUNSELOR. Students wishing to change their class schedules must do so in the time period allowed. **Fall semester schedule changes must be made by May 1st. No changes will be allowed during registration or after.** Spring semester schedule changes must be done during the month of December. **Teachers and/or Counselors may move students from one level of a class to another based on skill.**

4. **ALL STUDENTS ARE ENCOURAGED TO ENROLL IN A MINIMUM OF 7.5 CLASSES WHICH INCLUDES PE EACH SEMESTER TO BE ON TRACK FOR GRADUATION AFTER FOUR YEARS AND ALLOWS FOR SENIOR WORK BASED LEARNING OR ON SITE COLLEGE BASED LEARNING OPPORTUNITES THEIR SENIOR YEAR.**
5. **IF A COURSE HAS A PREREQUISITE, STUDENTS ONLY ENROLL IF THAT REQUIREMENT IS MET.**

6. **ALTERNATE CHOICES ARE IMPORTANT BECAUSE SOME CLASSES HAVE LIMITED ENROLLMENT OR TEACHER ASSIGNMENTS AND SECTIONS MAY CHANGE. WE ARE COMMITTED TO HELPING YOU PLAN YOUR ACADEMIC FUTURE.**

Scott Kracht, Principal, and Jackie Housman, School Counselor

The Faculty at New London High School is committed to teaching a curriculum that supports and reinforces the skills necessary for achieving success in life.

New London Community School District

Elements of Success

The New London Community believes that in order to be successful members of society all our students should:

1. Live self-directed, accountable lives
 - Demonstrate a strong work ethic
 - Express a positive self-concept that fosters inner motivation
 - Determine achievable goals, set priorities and evaluate progress
 - Show respect and consideration of others
2. Communicate effectively
 - Listen attentively
 - Speak effectively
 - Read with competency to gain information and for pleasure
 - Express oneself clearly through writing
3. Work and think independently and collaboratively
 - Actively participate in and support the group in meeting goal
 - Show respect for self and others
 - Show ability to manage time to complete the process
4. Effectively apply problem solving strategies
 - Apply mathematical and logical reasoning
 - Use creative reasoning
 - Demonstrate technological competence
 - Demonstrate responsible decision making
 -

As a result of the above *Elements of Success*, the students at New London Community Schools will be life-long learner



GRADUATION REQUIREMENTS:

Students must 52 credits to graduate from New London High School. One credit is equal to one semester of work.

MIDDLE SCHOOL STUDENTS TAKING ANY HIGH SCHOOL COURSES WILL NOT RECEIVE HIGH SCHOOL CREDIT OR CREDIT TOWARDS GRADUATION REQUIREMENTS.

***Credits Required for Graduation:**

Language Arts	8	(Includes English I, II, III and a 4th English of your choice)
Math	6	(Must include Algebra I, Geometry and Algebra II)
Social Studies	6	(American and World History, Economics and Government)
Science	6	(Biology, Intro to Chemistry, and Introduction to Physics)
Workplace Readiness	1	
P. E.	4	(One credit per year)
	31	Required credits (without electives)
Electives	21	Total elective credits to graduate
	52	Total credits to graduate

The State of Iowa requires CPR training for graduation.

COLLEGE PREPARATION RECOMMENDATIONS

Minimum Recommendations:

Four years of English

Three years of Math

Three years of Science

Three years of Social Studies



Two years of a Foreign Language (UNI does not require two years for admission as do ISU & UI, but rather the UNI requirement is for completion of a degree). Also, 2 years of a high school foreign language with a C- or above in the last course meets UNI graduation requirements.

NOTE: THE RECOMMENDATIONS ON THE PREVIOUS PAGE ARE PUBLISHED BY THE THREE STATE REGENTS SCHOOLS: UNIVERSITY OF IOWA, IOWA STATE UNIVERSITY AND UNIVERSITY OF NORTHERN IOWA. THE REALITY IS THAT A HIGHLY PREPARED STUDENT WOULD TAKE FOUR YEARS OF ENGLISH, MATH AND SCIENCE, PLUS 4 YEARS OF A FOREIGN LANGUAGE. STUDENTS SHOULD ALWAYS LOOK SPECIFICALLY AT THE REQUIREMENTS OF THE SCHOOL THEY PLAN TO ATTEND, BECAUSE REQUIREMENTS DO VARY FROM SCHOOL TO SCHOOL.

Regent Admission Index (RAI) Score

The RAI is an admissions requirement for the Iowa Regent universities and went into effect for freshmen that enrolled in the fall of 2009. An RAI score of 245 is required for automatic admission in addition to the minimum recommendations seen above. Iowa resident students who achieve at least a 245 RAI score and who meet the minimum high school course requirements are automatically offered admission to any of the three Regent universities. Students who achieve less than a 245 RAI score and who meet the minimum high school course requirements will continue to receive individual review from the Regent university to which they applied. The number of Iowa high school schools choosing to discontinue class rank has continued to grow. As such, effective for students entering the Regent universities summer 2020 and beyond, one RAI formula will be used to calculate the RAI scores for all freshman applicants, regardless of whether their school provides class rank. That formula is as follows: ACT composite score x 3 + Cumulative GPA x 30 + Number of years of high school core courses x 5. **Courses included in RAI will be marked with the following symbol: +, and courses that are concurrent enrollment will be marked with this symbol: *.** Students who have taken 8th grade Algebra I will receive 5 points for the RAI, and 8th grade Spanish exploratory will count for .25 points. RAI calculators may be found on each Regent website.

Tests Required for College Entrance and Scholarships

The American College Test (ACT) and Scholastic Aptitude Test (SAT) are considered entrance exams for most 4-year colleges/universities. Some colleges are now also requiring the ACT Writing component. Please check with the institution about whether to add ACT Writing or not. All colleges/universities, nationwide, are now accepting the ACT. Some two-year community colleges do not require an ACT score but may substitute ALEKS and/or ACCUPLACER scores; however, scores from the ACT may qualify students for scholarships or be beneficial should they change their minds on where to attend. Students need to check the specific entrance requirements at their school of choice. ACCUPLACER is a suite of computerized tests that determines a student's knowledge in reading and writing in preparing to enroll in college-level courses. Academic advisors and counselors to place a student into a college course that meets the appropriate skill level use the results of the assessments. The ALEKS assessment is a web-based assessment and learning system. It uses adaptive questioning to quickly and accurately determine exactly what a student knows and doesn't know in a course. By the time the student has completed the assessment, ALEKS has developed a precise picture of his/her knowledge of the course, knowing which topics have been mastered and which have not. A student who shows a high level of mastery in the assessment will be successful in the actual course being taken.

Financial Needs Analysis Forms

Most colleges/universities require students to have a Free Application for Federal Student Aid (FAFSA) form on file with the college/university before any financial aid can be awarded. It is recommended that the FAFSA forms be completed as soon after October 1 of the senior year as possible. Priority deadlines vary so please check with the institution.

WHAT ARE CAREER CLUSTERS?

Career clusters are groupings of occupations/careers that are similar because of shared skills and aptitudes. All Clusters include a variety of occupations that require different levels of education and training. Selecting a career cluster provides one with an area of focus, along with flexibility and a variety of ideas to pursue. Nationally, there are 16 Career Clusters. The Clusters are listed on the following pages along with a brief description of each one.

ARE CAREER CLUSTERS DESIGNED FOR ME?

Career clusters are for all students. By selecting a career cluster, one can prepare for the future, regardless of one's interest, abilities, talents or desired level of education. All Clusters have equal dignity.

HOW CAN CAREER CLUSTERS HELP ME?

Deciding on a career cluster can help one prepare for one's future. The intent is not to decide on a specific occupation for the rest of one's life, but to select a career cluster into which energies may be directed. Identifying a career cluster can help in selecting school courses, activities, and part-time employment. It can also help guide participation in work-based learning opportunities. A career cluster choice is flexible and does not have to be a permanent commitment. Career clusters and career choices may be discussed with the school counselor.

WHAT CAREER CLUSTERS ARE AVAILABLE?

Arts, A/V Technology and Communications

Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism and entertainment services.



Business, Management and Administration

Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.

Science, Technology, and Mathematics

Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering), including laboratory and testing services, and research and development



Health Science Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and

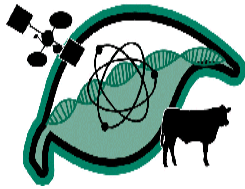
Human Services

Preparing individuals for pathways that relate to families and human



development.

employment in career needs.



Ag, Food and Natural Resources

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

Architecture and Construction

Designing, planning, managing, building, and maintaining the built environment.

Education and Training

Planning, managing, and providing education and training services, and related learning support services.

Finance

Planning, services for financial and investment planning, banking, insurance, and business financial management.

Government and Public Administration

Executing governmental functions to include governance; national security; foreign service; planning; revenue and taxation; regulation; and management and administration at the local, state and federal levels.

Hospitality and Tourism

Hospitality and Tourism encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions, and recreation events and travel-related services.

Information and Technology

Building linkages in IT occupations framework for entry-level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services.

Law, Public Safety, Corrections and Security

Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

Marketing, Sales & Service

Planning, managing, and performing marketing activities to reach organizational objectives.

Manufacturing

Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.

Transportation, Distribution and Logistics

Planning, management, and movement of people, materials and goods by road pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.

PROGRAM OF STUDIES—NINTH GRADE

REQUIRED: English I, Algebra 1, Biology, PE or Weightlifting

CURRICULAR OFFERINGS

Department of Business Education

Computer Applications I (S)
Principles of Marketing (SCC) * (S)
Principles of Management (SCC) * (S) Every Other Year
Business Law (SCC) * (S) Every Other Year
Computer Science
Entrepreneurship (S1)
Accounting (S1)
Advanced Accounting (S2)
Workplace Readiness (S)
Physical Computing
Foundations of Workplace Readiness

Multi-Occupational Cooperative Program: MOC – Students can earn CTE/electives/core credits while in this program, depending on the placements.

Department of Fine Arts

Drawing (S)
Painting (S)
Ceramics (S)
Multimedia
Instrumental Music
Varsity Choir

Department of Foreign Language

Spanish I+^

Dept. of Family & Consumer Science

Foods and Nutrition I (S1)
Foods and Nutrition II (S2)
Human Growth & Dev I (S1)
Human Growth & Dev II (S2)
Educational Foundations (S2)*
Field Experience (S2)*
Child Dev & Parenting (S1)*

Department of Industrial Technology

Introduction to Building (S)
Building Trades 1 (S1) (2 class periods)
Building Trades 2 (S2) (2 class periods)
Welding 1 (S1) (2 class periods)
Welding 2 (S2) (2 class periods)
Welding Fabrication (1 Semester)
Home Maintenance (S)

Department of Language Arts

English I+^
English IV+^
Journalism
Literary Study of Drama 1 (S1)
Literary Study of Drama 2 (S2)
Lit Workshop (Elective)
Transition Seminar (Elective)
Intro to Lit (SCC)(S1)*+^
Tech Writing (SCC) (S2)*+
Public Speaking*+^ (SCC) (S)
Foundations of English I
Foundations of English II
Foundations of English III
Foundations of English IV

Department of Mathematics

Algebra I+^
Geometry (after Alg. 1 in 8th grade)+^
Algebra II

Life Skills Math

Math Lab

Foundations of Algebra I

Foundations of Geometry

Foundations of Algebra II

Department of Social Studies

Sociology I (S1)+^

Sociology II (S2)+^

World History+^

American History+^

American Government+^

Economics+^

Understanding American Culture

Foundations of World History

Foundations of American History

Foundations of American Gov

Foundations of Economics

Department of Science

Biology+^

Real World Innovation

Investigations of Science

Marine Science

Introduction to High Power Rocketry

Foundations of Biology

Foundations of Environmental Science

Foundations of Physics

Foundations of Chemistry

Dept. of Health & Physical Education

General Health I (S1)

General Health II (S2)

Physical Education/CPR (Arranged)

Weightlifting

Foundations of Health I (S1)

Foundations of Health II (S2)

(S) Semester Class

*Concurrent Enrollment Class, SCC

+Figured Into RAI Score

^Approved NCAA Course

SCC Online/Campus courses available: See Mrs. Housman for Details

PROGRAM OF STUDIES—TENTH GRADE

REQUIRED: English II, Math-Geometry or Algebra II (for those who took Geometry last year) world History, Introduction to Chemistry, PE or Weightlifting

CURRICULAR OFFERINGS

Department of Business Education

Computer Applications I (S)
Principles of Marketing (SCC) * (S)
Principles of Management (SCC) * (S) Every Other Year
Business Law (SCC) * (S) Every Other Year
Computer Science
Entrepreneurship (S1)
Accounting (S1)
Advanced Accounting (S2)
Workplace Readiness (S)
Physical Computing
Foundations of Workplace Readiness
Professional Communication (Indep. Study) Not offered
Career Preparedness (Independent Study) Not offered
Personal Finance (Independent Study) Not offered
Intro to Web Design - (not currently offered)
Web 2.0 - (not currently offered)
Sports & Entertainment Marketing (S2) Not currently offered
Intro to Business (S1) (Not currently offered)

Multi-Occupational Cooperative Program: MOC – Students can earn CTE/electives/core credits while in this program, depending on the placements.

Department of Fine Arts

Drawing (S)
Painting (S)
Ceramics (S)
Art Exploration (S)
Multimedia
Instrumental Music
Varsity Choir

Department of Foreign Language

Spanish I & II+^

Department of Family & Consumer Science

Foods and Nutrition I (S1)
Foods and Nutrition II (S2)
Human Growth & Dev I (S1)
Human Growth & Dev II (S2)
Educational Foundations (S2)*
Field Experience (S2)
Child Dev & Parenting (S1)

Department of Industrial Technology

Introduction to Building (S)
Building Trades 1 (S1) (2 class periods)
Building Trades 2 (S2) (2 class periods)
Welding 1 (S1) (2 class periods)
Welding 2 (S2) (2 class periods)
Welding Fabrication (2 class periods)
Carpentry I* (SCC) (NOT CURRENTLY OFFERED)
Farm & Home Electricity (S1)* (not currently offered)
CAD I (S1) (Not Currently Offered)
CAD II (S2) (NOT CURRENTLY OFFERED)
Home Maintenance (S)
Furniture Making (S2)
Home and Auto Maintenance (NOT CURRENTLY OFFERED)
Auto Maintenance (NOT CURRENTLY OFFERED)

Department of Language Arts

English I+^
English II +^
English IV+^
Journalism
Literary Study of Drama 1 (S1)
Literary Study of Drama 2 (S2)

Lit Workshop (Elective)
Transition Seminar (Elective)
Intro to Lit (SCC) (S1)+^
Tech Writing (SCC) (S2)+
Public Speaking+^ (SCC) (S)
Foundations of English I
Foundations of English II
Foundations of English III
Foundations of English IV

Department of Mathematics

Algebra I+^
Geometry+^
Algebra II (if took Geometry last yr.)+^
Math for Liberal Arts (S1)
College Algebra and Trig (S2) +
Pre-Calculus +^
Advanced Math
Workplace Math
Life Skills Math
Math Lab
Foundations of Algebra I
Foundations of Geometry
Foundations of Algebra II

Department of Health & Physical Education

General Health I (S1)
General Health II (S2)
Physical Education/CPR (Arranged)
Weightlifting
Foundations of Health I (S1)
Foundations of Health II (S2)

Department of Science

Introduction to Physics+^
Biology+^
Real World Innovation
Investigations of Science
Marine Science
Introduction to High Power Rocketry
Foundations of Biology
Foundations of Physics
Foundations of Chemistry
Environmental Science Not currently offered

Department of Social Studies

Sociology I (S1)+^
Sociology II (S2)+^
World History+^
American History+^
American Government+^
Economics+^
Understanding American Culture
Foundations of World History
Foundations of American History
Foundations of American Gov
Foundations of Economics
AP US History+^ NOT CURRENTLY OFFERED

(S) Semester Class

*Concurrent Enrollment Class, SCC

+Figured Into RAI Score

^Approved NCAA Course

SCC Online/Campus courses available: See Mrs. Housman for Details

PROGRAM OF STUDIES—ELEVENTH GRADE

REQUIRED: English III, Math-Algebra II OR for those who took Alg. II last year, Pick a 3rd Math (Advanced Math or Pre-Calculus or SCC Math) Intro to Physics, American History, Workplace Readiness, PE or Weightlifting.

CURRICULAR OFFERINGS

Department of Business Education

Computer Applications I (S)
Principles of Marketing (SCC) * (S)
Principles of Management (SCC) * (S) Every Other Year
Business Law (SCC) * (S) Every Other Year
Computer Science
Entrepreneurship (S1)
Accounting (S1)
Advanced Accounting (S2)
Workplace Readiness (S)
Physical Computing
Foundations of Workplace Readiness
Professional Communication (Indep. Study)
Career Preparedness (Independent Study)
Personal Finance (Independent Study)
Intro to Web Design - (not currently offered)
Web 2.0 - (not currently offered)
Sports & Entertainment Marketing (S2) Not currently offered)
Intro to Business (S1) (Not currently offered)

Multi-Occupational Cooperative Program: MOC – Students can earn CTE/electives/core credits while in this program, depending on the placements.

Department of Fine Arts

Drawing (S)
Painting (S)
Ceramics (S)
Art Exploration (S)
Multimedia
Instrumental Music
Varsity Choir

Department of Foreign Language

Spanish I, II, & III+^

Department of Family & Consumer Science

Foods and Nutrition I (S1)
Foods and Nutrition II (S2)
Human Growth & Dev I (S1)
Human Growth & Dev II (S2)
Educational Foundations (S2)*
Field Experience (S2)
Child Dev & Parenting (S1)

Department of Language Art

English I+^
English II+^
English III+^
English IV+^
Journalism
Literary Study of Drama 1 (S1)
Literary Study of Drama 2 (S2)
Lit Workshop (Elective)
Transition Seminar (Elective)
Intro to Lit (S1)*+^
Tech Writing (S2)*+
Public Speaking*+^
English Composition I*+^
English Composition II*+^
Foundations of English I
Foundations of English II
Foundations of English III
Foundations of English IV

Department of Mathematics

Algebra II+^
Geometry+^
Algebra I+^
Advanced Math
Math for Liberal Arts (S1)
College Algebra and Trig (S2) *+
Pre-Calculus +^
Calculus +^

Pre-Calculus +^
Life Skills Math
Math Lab
Workplace Math
Foundations of Algebra I
Foundations of Geometry
Foundations of Algebra II

Department of Health & Physical Education

General Health I (S1)
General Health II (S2)
Physical Education/CPR (Arranged)
Weightlifting
Foundations of Health I (S1)
Foundations of Health II (S2)

Department of Science

Anatomy and Physiology+^
Intro to Chemistry+^
Biology
Environmental Science Not currently offered
Advanced Chemistry+^
Advanced Physics+^
Real World Innovation
Investigations of Science
Introduction to Physics+^
Marine Science
Introduction to High Power Rocketry
Foundations of Biology
Foundations of Physics
Foundations of Chemistry

Department of Social Studies

Sociology I (S1)+^
Sociology II (S2)+^
World History+^
American History+^
AP US History+^ Not currently offered
American Government+^
Economics+^
Understanding American Culture
Foundations of World History
Foundations of American History
Foundations of American Gov
Foundations of Economics

Department of Industrial Technology

Introduction to Building (S)
Building Trades 1 (S1) (2 class periods)
Building Trades 2 (S2) (2 class periods)
Welding I (S1) (2 class periods)
Welding 2 (S2) (2 class periods)
Welding Fabrication (2 class periods)
Home Maintenance (S)
Furniture Making (S2) Not currently offered
Carpentry I* (SCC) (NOT CURRENTLY OFFERED)
Farm & Home Electricity (S1)* (not currently offered)
CAD I (S1)
CAD II (S2) (NOT CURRENTLY OFFERED)
Home and Auto Maintenance (NOT CURRENTLY OFFERED)
Auto Maintenance (NOT CURRENTLY OFFERED)

Department of Health Occupations

Med Term/Med Law & Ethics (S1)*
CAN/Medical Human Relations (S2)*

(S) Semester Class

*Concurrent Enrollment Class, SCC

+Figured Into RAI Score

^Approved NCAA Course

SCC Online/Campus courses available: See Mrs. Housman for Details

PROGRAM OF STUDIES—TWELFTH GRADE

REQUIRED: English (full year), American Government (S), Economics (S), PE or Weightlifting.

CURRICULAR OFFERINGS

Department of Business Education

Computer Applications I (S)
Principles of Marketing (SCC) * (S)
Principles of Management (SCC) * (S) Every Other Year
Business Law (SCC) * (S) Every Other Year
Computer Science
Entrepreneurship (S1)
Accounting (S1)
Advanced Accounting (S2)
Workplace Readiness (S)
Physical Computing
Foundations of Workplace Readiness
Professional Communication (Indep. Study)
Career Preparedness (Independent Study)
Personal Finance (Independent Study)
Intro to Web Design - (not currently offered)
Web 2.0 - (not currently offered)
Sports & Entertainment Marketing (S2) Not currently offered)
Intro to Business (S1) (Not currently offered)

Multi-Occupational Cooperative Program: MOC – Students can earn CTE/electives/core credits while in this program, depending on the placements.

Department of Fine Arts

Drawing (S)
Painting (S)
Ceramics (S)
Art Exploration (S)
Multimedia
Instrumental Music
Varsity Choir
Senior Studio Art

Department of Foreign Language

Spanish I, II, III & IV⁺

Department of Family & Consumer Science

Foods and Nutrition I (S1)
Foods and Nutrition II (S2)
Human Growth & Dev I (S1)
Human Growth & Dev II (S2)
Educational Foundations (S2)*
Field Experience (S2)
Child Dev & Parenting (S1)

Department of Language Art

English I⁺[^]
English II⁺[^]
English III⁺[^]
English IV⁺[^]
Journalism
Literary Study of Drama 1 (S1)
Literary Study of Drama 2 (S2)
Lit Workshop (Elective)
Transition Seminar (Elective)
Intro to Lit (S1)*⁺[^]
Tech Writing (S2)*⁺
Public Speaking*⁺[^]
English Composition I*⁺[^]
English Composition II*⁺[^]
Foundations of English I
Foundations of English II
Foundations of English III
Foundations of English IV

Department of Mathematics

Algebra II⁺[^]
Geometry⁺[^]
Algebra I⁺[^]
Workplace Math (for college 2 yr. prog.)
Advanced Math

Math for Liberal Arts (S1) *⁺
College Algebra and Trig (S2) *⁺
Pre-Calculus ⁺[^]
Calculus ⁺[^]
Math Lab
Foundations of Algebra I
Foundations of Geometry
Foundations of Algebra II

Department of Health & Physical Education

General Health I (S1)
General Health II (S2)
Physical Education/CPR (Arranged)
Weightlifting
Foundations of Health I (S1)
Foundations of Health II (S2)

Department of Science

Anatomy and Physiology⁺[^]
Intro to Chemistry⁺[^]
Biology
Environmental Science Not currently offered
Advanced Chemistry⁺[^]
Advanced Physics⁺[^]
Real World Innovation
Investigations of Science
Marine Science
Introduction to High Power Rocketry
Introduction to Physics⁺[^]
Foundations of Biology
Foundations of Physics
Foundations of Chemistry

Department of Social Studies

Sociology I (S1)⁺[^]
Sociology II (S2)⁺[^]
World History⁺[^]
American History⁺[^]
American Government⁺[^]
Economics⁺[^]
Understanding American Culture
Foundations of World History
Foundations of American History
Foundations of American Gov
Foundations of Economics
AP US History⁺[^]

Department of Industrial Technology

Introduction to Building (S)
Building Trades 1 (S1) (2 class periods)
Building Trades 2 (S2) (2 class periods)
Welding 1 (S1) (2 class periods)
Welding 2 (S2) (2 class periods)
Welding Fabrication (2 class periods)
Home Maintenance (S)
Carpentry I* (SCC) (NOT CURRENTLY OFFERED)
Farm & Home Electricity (S1)* (not currently offered)
CAD I (S1)
CAD II (S2) (NOT CURRENTLY OFFERED)
Furniture Making (S2) Not currently offered
Home and Auto Maintenance (NOT CURRENTLY OFFERED)
Auto Maintenance (NOT CURRENTLY OFFERED)

Department of Health Occupations

Med Term/Med Law & Ethics (S1)*
CNA/Medical Human Relations (S2)*

*Other SCC Classes

See Mrs. Housman for availability
(S) Semester Class
*Concurrent Enrollment Class, SCC
⁺Figured Into RAI Score
[^]Approved NCAA Course

DEPARTMENT OF BUSINESS EDUCATION



COURSE: Computer Applications I

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

**REQUIRED FOR ALL STUDENTS STARTING WITH THE CLASS OF 2029 TAKEN
JUNIOR YEAR OPPOSITE OF WORKPLACE READINESS**

This course goes over the different Microsoft Office products (Word, Excel, PowerPoint, Outlook, Access) and prepares students for these programs that they will encounter outside of high school. Throughout the semester students will take an exam and potentially earn multiple **Microsoft Office Specialist Certification** around the different Microsoft Office products that are studied.

COURSE: Physical Computing

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

Physical computing covers the design of interactive objects and allows students to develop concrete, tangible products of the real world. The class will be using Raspberry Pi, Arduino, Micro:bit, and other devices and multiple computer languages. Throughout the semester students will take an exam and potentially earn the **Java Foundation Certification** around the different Java program skills that are studied.

COURSE: Sports and Entertainment Marketing (Not Currently Offered)

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

In the Sports and Entertainment Marketing course, students will understand marketing concepts and theories that apply to sports and entertainment. The areas this course will cover include publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, in this industry sector.

COURSE: Intro to Business (Not Currently Offered)

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

In this course, students will be introduced to the exciting world of business! Students will learn the concepts of supply and demand, business ethics, different forms of business ownership, government involvement in businesses, employer and business laws.

COURSE: Principles of Marketing (SCC)*

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

This introductory class uses the managerial approach to study a market-directed system of marketing. The emphasis is on market strategy planning from the viewpoint of the marketing manager. The "4 Ps"-product, place, price and promotion-provide the structure underlying the organization of this course.

COURSE: Principles of Management (SCC)* Offered EVERY OTHER YEAR opposite of Business Law 1

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

This course provides an intensive examination of the basic fundamentals of organization and management underlying the solution to management problems.

COURSE: Business Law I (SCC)* OFFERED EVERY OTHER YEAR opposite of Principles of Management

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

The legal environment of business. The study of contract requirements, personal property and bailments, as time permits.

COURSE: Computer Science

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

Have you ever wondered how the internet was invented and how it works or why there are jpgs, gifs and pngs and what the differences are between them? All of the technology that surrounds us today has been built upon a few very simple principles that when combined and recombined can carry tremendous power and risk. Throughout this course you will be amazed by the technology around you as you gain insight into how and why it works. Computing innovation is far from over, and in this class, you will get to try your hand at creating your own artifacts all from the very foundational principles that have made it all possible. The course begins with an examination of how the fundamental unit of digital data - the bit - is actually physically transported over vast distances. From that foundation as the course progresses you will learn how to program and build your own interactive web applications in javascript that demonstrate the ideas and science behind the world of technological innovation.

COURSE: Intro to Web Design (NOT CURRENTLY OFFERED) May be offered at a later date)

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

The Web is a part of our everyday life. Intro to Web Design teaches skills one needs to plan, develop, and maintain a Web site. In this course, one can use Adobe Dreamweaver to create and develop several web pages. In addition, one will learn to write basic HTML code, which is the standard language used to create web pages.

COURSE: Web 2.0 Tools (NOT CURRENTLY OFFERED; May be offered at a later date)

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

Students will use Web 2.0 Resources to research and develop answers to an open-ended driving question. They will use a Web 2.0 tool to present their solution to the problem. Students will reflect about their work in blogs, and students will present their work to other students, responding to the driving question and teaching others how to use their Web 2.0 tool.

COURSE: Workplace Readiness

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

REQUIRED COURSE

LIMITED TO 24 STUDENTS PER SEMESTER

Through this class, students will explore how their skills and interests align with careers they are interested in. Students will complete two job shadows in a field of their choice to get a first hand experience of what that career is really like. Students will go through the interview process with creating a resume and interviewing with a business professional. Finally, students learn some basics with personal finance. Personal topics covered include a basic understanding of personal finance, budgeting, ways to save money, credit & debt, income & taxes, and the role of insurance.

COURSE: Foundations of Workplace Readiness (ELECTIVE)

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Year (1 credit)

High School Students who need developmental life and work skills may be eligible, through teacher recommendation, to participate in the Foundations of Workplace Readiness class. Foundations of Workplace Readiness will provide instruction and support in the essential elements of the Iowa Core Standards and Benchmarks at the student's instructional level. This class will focus on 21st century skills and/or employability skills at the student's instructional level to help prepare the students for post-secondary expectations.

COURSE: Accounting

GRADES(S): 9, 10, 11,12

LENGTH OF COURSE: Semester (1 credit)

This is an introductory course in double entry accounting procedures. Students will learn to keep financial records for a service or retail business. Principles covered include the bookkeeping cycle, debit/credit theory, financial statements, use of various journals and ledgers, worksheets, accounts receivable and payable, and payroll systems.

COURSE: Advanced Accounting

GRADES(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

PREREQUISITE: Accounting

This course presents an in-depth analysis of advanced accounting topics. The student is introduced to the consolidation of financial statements, translation of foreign currencies, the reporting requirements of business segments, international standards, estates and trusts, partnerships, and corporations in financial difficulty. At the end of the semester students will take an exam and potentially earn an Intuit Quickbooks Certification.

COURSE: Entrepreneurship

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

We have teamed up with the University of Iowa to introduce BizInnovator. Students will learn first hand how startups start by identifying problems, gathering data, and generating viable business solutions. And, all the while students practice and develop the “soft skills” they will use throughout their college and/or career.

COURSE: Personal Finance (NOT OFFERED CURRENTLY)

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: SEMESTER (1 credit)

INDEPENDENT STUDY

In this course, students will learn the skills of Budgets, Banking Options & Records, Investments & Risk Management, Taxes & Paychecks, Loans, and Major Purchasing Decisions. At the end of the semester, students will have the opportunity to earn The Center for Financial Responsibility Personal Financial Literacy Certification which verifies individuals possess the ability to successfully navigate vital monetary decisions which affect both their personal and professional lives.

COURSE: Career Preparedness (DOES NOT replace Workplace Readiness) (NOT OFFERED CURRENTLY)

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: SEMESTER (1 credit)

INDEPENDENT STUDY

In this course, students will learn the skills of learning about a Career Aptitude Test, Personal Development, Education & Training Analysis, Professional Development, Job Application Techniques, Workplace Regulations & Standards, and Interview Techniques. At the end of the

semester, students will have the opportunity to earn The Express Employment Professionals Career Preparedness Certification which verifies individuals possess the skills necessary to discover, pursue and successfully achieve career goals.

COURSE: Professional Communication (DOES NOT replace Workplace Readiness) NOT OFFERED CURRENTLY

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: SEMESTER (1 credit)

INDEPENDENT STUDY

In this course, students will learn the skills of English Language Proficiencies, Interpersonal Communication Techniques, Workplace Communication Techniques, Written Communication Procedures, Communication Theory, and Verbal Communication Procedures. At the end of the semester, students will have the opportunity to earn The Southwest Airlines Professional Communications Certification which verifies individuals possess the soft skills necessary to thrive in any workplace environment.

DEPARTMENT OF FINE ARTS

COURSE: Drawing

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit) offered both semesters

LIMITED TO 18 STUDENTS PER SEMESTER (# of art tables)



Drawing is a one-semester course that emphasizes basic introductory drawing skills. Areas to be studied are: non-objective art, realistic and abstract art. A variety of media will be used.

COURSE: Painting

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit) offered both semesters

LIMITED TO 18 STUDENTS PER SEMESTER (# of art tables)

Painting is a one-semester course emphasizing basic painting skills and techniques. A variety of media will be used including acrylic and tempera. While it may prove useful to take Drawing before Painting, it is not required.

COURSE: Ceramics

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit) offered both semesters

LIMITED TO 18 STUDENTS PER SEMESTER (# of art tables) Ceramics primarily focuses on clay construction and carving techniques.

COURSE: Multimedia

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

The primary focus of the class is the creation of the yearbook, thus students will be responsible for taking photos both during and outside of school hours (must attend games, concerts, plays etc.). When we are not working on the yearbook, students can shoot photos of their choice or create school appropriate podcasts.

COURSE: Art Exploration

GRADE(S): 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

Students will be given the opportunity to explore artistic venues of their choice.

COURSE: Senior Studio Art

GRADE: 12

LENGTH: Full year (2 credits) OR Semester (1 credit)

PRE-REQUISITES: At least 4 other art classes receiving a B+ or better, and instructor approval.

Senior Studio art is a yearlong course where students work independently in various areas and are encouraged to experiment with a variety of media. Participation in regional art competitions is encouraged. Students are graded on 4 bodies of work turned in at the end of each quarter.

NO ADVANCED ART CLASSES ARE AVAILABLE**DEPT. OF INSTRUMENTAL AND VOCAL MUSIC****COURSE: Marching Band and Concert Band**

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

Marching Band: The Tiger Marching Band performs at all home football games, and might include a pre-contest marching exhibition, state marching contest, Old Threshers Reunion, and occasionally at area parades. The band is open to all students continuing to study instrumental music. When marching is completed in the fall, members automatically become a part of the concert band. (It is NOT possible to take marching band without being in concert band.) Some early morning rehearsals, on weeks of home football games, will be required.



Concert Band: Open to anyone studying instrumental music. It begins in November and runs through the end of the school year. The band presents two formal concerts, participates in state contest, and makes other appearances by invitation. In addition to improving technical and musical skills in playing an instrument, students are exposed to music from many different cultures and historical periods. Solo and ensemble participants for contest come from within this group. To participate in concert band, one must have participated in marching band during the fall season.

COURSE: Varsity Choir

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

Non-Auditioned Ensemble. An opportunity is provided for students to gain musical exposure and growth by reading and performing a variety of selected choral literature. Classical, art songs, spirituals, and pop music are all a part of the music curriculum. Participation in all of the following is *required*: bi-weekly lessons/sectionals, two formal concerts, a musical/variety show, and large group contest. Solo and ensemble participants and honor choir participants come from this group. Every 4 years, students have the opportunity to travel and perform in collaboration with the Concert Band. Members gain 50 points per semester towards their music letter.

EXTRACURRICULAR ACTIVITIES IN MUSIC

PEP BAND: The band plays for 10-12 home basketball games and is sometimes invited to play at college basketball games. Students are awarded 100 points toward the band letter for participation. Emphasis is placed on school spirit and adding excitement to the atmosphere at Winter sports events.

JAZZ BAND: The jazz band is open on a volunteer basis to anyone studying instrumental music and willing to be present at all the performances. This band plays at concerts and makes many other appearances throughout the year. Members gain 100 points towards the music letter.

PIT BAND: When musicals done by the vocal music and drama departments require a pit band, one will be formed for approximately a six-week period. Members may be selected from the concert band to fill the required instrumentation. All rehearsals are held outside of school time. Those selected will earn 50 points toward their band letter.

HONOR CHOIR/BANDS: Students demonstrating outstanding effort and accomplishment may be nominated by the director to participate in a college or conference honor choir/band. If selected to participate, the student will receive 50 points per day toward the choir/band letter.

SOLO/ENSEMBLES: Band and chorus students are offered the opportunity to participate in solos and ensembles for state contest in the spring. Points toward the band/chorus letter are granted based on participation and accomplishment.

DEPARTMENT OF WORLD LANGUAGE

All high school students are encouraged to study a second language. The language courses are open to any students, whether college bound or not. The three state universities in Iowa recommend 2 years of a foreign language for entrance and/or exit. Some colleges within the university like college of Engineering and Liberal Arts and Sciences at Iowa State University and Nursing at The University of Iowa need 3 or 4 high school years as a graduation requirement. This depends on the university (please refer to page 4 for specific university requirements). The advantage of starting in high school is that one has more time to learn the language well and completion of college requirement is possible. Many U.S. manufacturing firms either export or import Latin American products and often need translators. Many local businesses that deal in a service need employees who can communicate in more than one language. Whatever type of work one prepares for, knowledge of a second language will provide more opportunities for getting a job that is interesting and rewarding.

COURSE: Spanish I+^

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

SUGGESTED: C or above in 8th grade English

Students will learn to correctly pronounce words and phrases. Students will learn basic vocabulary about home, family, school and sports. They will be given formative and summative assessments to examine their comprehension, in addition to utilizing authentic assessments. Students will practice their skills by speaking and writing Spanish in the classroom. Students will learn basic cultural differences between the United States and Spanish-speaking countries.

COURSE: Spanish II+^

GRADE(S): 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Spanish I

Students will learn how to have conversations in Spanish with one another and hone that skill in the classroom. Their vocabulary will be about minor health issues, summer and winter activities, basic train and airplane travel, as well as some of the basic foods. Culture will focus on South American countries.

COURSE: Spanish III+^

GRADE (S): 11, 12

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Spanish I & II

Students will learn how to have more complex conversations in Spanish. They will learn by using Spanish speech and writing at much as possible in the classroom and by the use of both traditional and authentic assignments and assessments. Their vocabulary will consist of more detailed train and airplane travel, as well as hotel, restaurants, shopping and computers. Culture will cover more of Spain, Central and South American lifestyles. Students will read cultural books.

COURSE: Spanish IV+^

GRADE: 12

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Spanish I, II, and III

Students will learn to converse more freely with Spanish, in class and out. They will learn vocabulary about careers, cars, city vs. country life, recipes and various family celebrations. Students will have the opportunity to read more cultural books and will understand more fully Hispanic family life.

DEPARTMENT OF FAMILY & CONSUMER SCIENCE

COURSE: Foods and Nutrition I

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

LIMITED TO 16 STUDENTS, however 12 is the ideal number of students (lab size).

This introductory Foods and Nutrition I course will provide students with a basic foundation in food preparation and prepare students to make critical decisions about food that will contribute to their overall health and wellness, their families and their communities. In this course, students will use critical, reflective and creative thinking skills in how to read food labels and applying basic nutrition knowledge to meal preparation, general health, habits and dietary needs, and disease prevention. Students will have opportunities to engage in various cooperative learning lessons and labs that include learning basic cooking terms and techniques, how to select and read recipes, practice safety and sanitation procedures to prevent foodborne illness, learn accurate and appropriate measuring techniques, prepare market orders, calculate food costs, budget and meal plan, and store food products.

Hands-on lab participation will promote teamwork, cooperation, in communication with preparing a variety of foods including but limited to: meats and poultry, dairy products, fruit and vegetables, breads and grains, and basic baking. Students leaving this course will have a basic understanding of different cooking techniques, and will feel confident and independent in the kitchen.

COURSE: Foods and Nutrition II

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

PRE-REQUISITE: Foods I

LIMITED TO 16 STUDENTS, however 12 is the ideal number of students (lab size).

Foods & Nutrition II revisits cooking concepts learned in Foods & Nutrition I and continues developing student skills and techniques in basic food preparation. This course will focus on enhanced cooking terms and techniques, kitchen and meal management, recipe planning, time and resource management, minor event planning components, and group project-based learning. This course may include food trends and lifestyle options that emphasize the relationship of diet to health. Hands-on lab experiences will align with the course content using a variety of foods and preparation methods. Exploring food choices in our society and the utilization of informed consumer practices will also be examined. Lab participation will promote teamwork, cooperation, in communication in baking skills, protein cooking techniques, dietary needs, and a foundation in career related pathways.

In the FCS Foods & Nutrition classes, students will also have the opportunity to learn basic food safety and sanitation principles through an online training program that allows students to earn a multi-year food safety certificate

COURSE: Human Growth & Development I - offered in alternate years

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

LIMITED TO 15 STUDENTS

Human Growth & Development is a course that covers the physical, cognitive, emotional, and social factors in human development over the lifespan from conception, infancy through childhood stages, childhood into adulthood, and through death and grief. Human Growth & Development I will be a course focusing on the various ages and stages of development from infancy through childhood and adolescent stages.

COURSE: Human Growth & Development II- offered in alternate years

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

PRE-REQUISITE: Human Growth & Development I

LIMITED TO 15 STUDENTS

Human Growth & Development is a course that covers the physical, cognitive, emotional, and social factors in human development over the lifespan from conception, infancy through childhood stages, childhood into adulthood, and through death and grief. Human Growth & Development II will be a continuation of Human Growth & Development I and will focus on the transition of childhood into adulthood and through the later stages in life including components of death and grief.

COURSE: Child Development & Parenting I - offered in alternate years

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Offered 1 st semester in alternate years (1 credit)

This course introduces students to the knowledge, skills, and attitudes associated with the development, responsible nurturing of infants and children. Topics will include applications of child development theory including the physical, social, emotional, intellectual, and moral development; basic needs through the ages and stages of childhood; prenatal development; the impact of heredity, home, and community environments; impact of family crises; infants and children with special needs; roles, responsibilities, and challenges of parenthood; deciding when to parent; parenting and nurturing practices and skills that support positive development; and meeting food, clothing, shelter, and care-giving needs of infants and children.

COURSE: Child Development & Parenting II - offered in alternate years

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Offered 2nd semester in alternate years (1 credit)

PRE-REQUISITE: Child Development & Parenting I

LIMITED TO 15 STUDENTS

This sequential course addresses more complex issues of child development and early childhood education with emphasis on guiding physical, social, emotional, intellectual, moral, and cultural development throughout childhood, including school age children. Topics include positive parenting and nurturing across ages and stages; practices that promote long-term well-being of children and their

families; developmentally appropriate guidance and intervention strategies with individuals and groups of children; accessing, evaluating, and utilizing information, including brain/learning research and other research results; meeting needs of children with a variety of disadvantaging conditions; and exploration of industry related careers.

COURSE: Education Foundations AND Field Experience * (SCC)

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Offered 2nd semester (1 credit)

Course Description for EDU-212 Educational Foundations (3 credits)

This course is designed to examine the historical, philosophical, sociological, political, economic and legal foundations of the American public education system. Students will explore the nature of school environments, design, and organization of school curriculum and characteristics of effective schools and instruction in grades K-12. Educational structures, practices and projections for the future will be studied.

Course Description for EDU-920 Field Experience (2 credits)

Field Experience provides students with an opportunity to observe a teacher in a local classroom and to work with students in that classroom under direct supervision of the cooperative teacher for 30 clock hours. The student will submit documents to reflect on the classroom time.

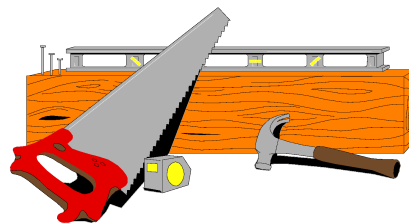
DEPARTMENT OF INDUSTRIAL TECH

Building Trades Program:

Each course is a semester long. With Building Trades 1 & 2 as a block. Building Trades 1 & 2 will also take part in offsite projects.

Courses in Program:

- Intro to Building (1 semester)
- Building Trades 1 (1 semester-2 periods-2 credits)
- Building Trades 2 (1 semester-2 periods-2 credits)



COURSE: Introduction to Building Trades

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

This course covers self-evaluation, goal-setting, employability skills, specific career information in the craft trades, Safety, Shop Safety, Jobsite safety, Basic hand tools and power tools, fasteners and adhesives, joints, wood types and usage, shop math and measurement. Students will learn how to create a plan for each of the 3 planned projects.

- Building Materials, Fasteners, and Adhesives (7.5 Hours)
- Hand and Power Tools (7.5 Hours)

- Provides detailed descriptions of the hand tools and portable power tools used by carpenters. Emphasis is on safe and proper operation of tools, as well as core and maintenance.
- Introduction to Construction Drawings, Specifications and Layout (20 Hours)
 - Covers the techniques for reading and using construction drawings and specifications with an emphasis on drawings and information relevant to the carpentry trade. Introduces quantity takeoffs.
- Wall Systems (20 Hours)
 - Describes procedures for laying out and framing walls, including roughing-in door and window openings, partition T's and bracing walls. Includes the procedures to estimate the materials required to frame walls.

COURSE: Building Trades 1

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (2 credits) 1 Block or potential year long class

- OSHA 10 certification (online course)
- Basic Stair Layout (12.5 Hours)
 - Introduces the trainee to various types of stairs and the common building code requirements related to stairs. The module focuses on the techniques for measuring and calculating rise, run, and stairwell openings, laying outstringers, and fabricating basic stairways.
- Floor Systems (27.5 Hours)
 - Covers framing basics as well as the procedures for laying out and constructing a wood floor using common lumber as well as engineered building materials.
- Ceiling Joist and Roof Framing (40 Hours)
 - Describes types of roofs and provides instructions for laying out rafters for gable roofs, hip roofs and valley intersections. Covers stick-built and truss-built roofs.
 - Includes the basics of roof sheeting installation.
- Introduction to Building Envelope Systems (12.5 Hours)
 - Introduces the concept of the building envelope and explains its components.
 - Describes types of windows, skylights and exterior doors and provides instructions for installation.

COURSE: Building Trades 2

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (2 credits) 1 Block or potentially a year long class

- Exterior Finishing (35 Hours)
 - Covers the various types of exterior siding used in residential construction and their installation procedures, including wood, metal, vinyl, and cement board siding.
- Thermal and Moisture Protection (7.5 Hours)
 - Covers the selection and installation of various types of insulating materials in walls, floors and attics. Also, covers the uses and installation practices for vapor barriers and waterproofing materials.
- Roofing Applications (25 Hours)

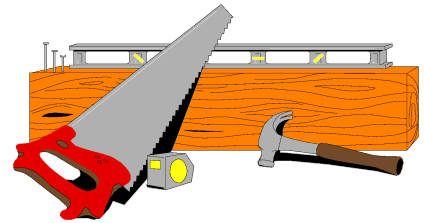
- Describes how to properly prepare the roof deck and install roofing for residential and commercial buildings.
- Doors and Door Hardware (20 Hours)
 - Describes the installation of metal doors and related hardware in steel-frames, wood-framed and masonry walls along with their related hardware, such as locusts and door closers. Also discusses the installation of wood doors, folding doors and pocket doors.
- Drywall Installation (15 Hours)
 - Describes the various types of gypsum drywall, their uses and the fastening devices and methods used to install them. Contains detailed instructions for installing drywall on walls and ceilings using nails, drywall screws and adhesives. Also, discusses fire and sound rated walls.
- Drywall Finishing (17.5 Hours)
 - Describes the materials, tools and methods used to finish and patch gypsum drywall. Also discussed automatic and manual taping and finishing tools.
- Window, Door, Floor and Ceiling Trim (25 Hours)
 - Describes the different types of trim used in finish work and focuses on the proper methods for selecting, cutting and fastening trim to achieve a professional finished appearance.

Welding Program Offerings:

Each course is a semester long and has to be in sequential order.

Courses in Program:

- **Welding 1 (1 semester, 2 periods, 2 credits)**
- **Welding 2 (1 semester, 2 periods, 2 credits)**
- **Welding Fabrication (1 semester, 1 period, 1 credit)**



COURSE: Welding 1

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: 1 Semester (2 periods, 2 credits) Block

LIMITED TO 12 STUDENTS

This is an introduction to the welding process. Students will learn welding safety, hand tool safety, SMAW welding process and welding positions, cutting process', examples; Torch cutting, plasma cutting, machine cutting. Students will learn the fundamental welding symbols, electrode types and uses, welding PPE. They will also have guest speakers and trips to industry partners.

COURSE: Welding II

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: 1 Semester (2 periods, 2 credits) Block

PREREQUISITES: Welding I

LIMITED TO 12 STUDENTS

Students will work on learning the TGMW welding process while adding the uphill and overhead positions for SMAW. They will learn basic pipe and structural welding fundamentals.

Also, the fabrication process, where they will create pre-planned projects using two of the three welding processes. Creating plans and blueprints for those projects. Students will also complete OSHA 10 certification

Trips to industry partners and competitions.

COURSE: Welding Fabrication

GRADES: 10, 11, 12

LENGTH OF COURSE: Semester (2 credits) Block

PREREQUISITES: Welding 1 and Welding 2

Students will create and build a project (project will be approved by instructor)

Using 2 of the 3 welding processes, create a plan of procedure, cost estimate, build schedule.

Project will also be entered into the Industrial Tech Expo in May. Second semester of course students will job shadow and or intern with Industry partners in the welding field.

In the future this will become a welding apprenticeship.

COURSE: Home Maintenance

GRADES: 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

LIMITED TO MAXIMUM OF 15 STUDENTS

Students that take this course will have the opportunity to learn methods and techniques for maintaining and repairing basic household items. Topics in this course will consist of materials, safety, planning, measurement, hand tools, power tools, equipment, materials, plumbing, electrical, and drywall.

COURSE: Computer Aided Drafting and Design I (NOT BEING OFFERED)

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

LIMITED TO MAXIMUM OF 15 STUDENTS

This class is designed for students to be able to use a CADD program to draw and design objects.

Students will learn about drafting techniques, terminology, and tools that are used in the creation of everyday objects.

COURSE: Furniture Making (NOT CURRENTLY BEING OFFERED)

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

PREREQUISITE: Woods I and CAD or IED

LIMITED TO 12 STUDENTS PER SECTION (safety)

Students that take this course will have the opportunity to learn woodworking techniques and use the lab equipment to make woodworking projects. Topics in this course will consist of: materials, safety, planning, measurement, hand tools, power tools, equipment, joinery and assembly, plus types of finishes. There will be set projects that all students will complete. Students in this class will have the opportunity to find their own project ideas, which will be more difficult than previously built projects.

COURSE: Computer Aided Drafting and Design II (NOT CURRENTLY OFFERED)

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

LIMITED TO MAXIMUM OF 15 STUDENTS

This class is an advanced level class designed for students to be able to use a CADD program to draw and design projects ranging from small to large. Students will learn about advanced drafting techniques, terminology, and tools that are used in the creation of everyday objects. This class will also have the 3D printer, laser engraver, and CNC router incorporated for the students to be able to create a project with the systems.

COURSE: Construction Electricity (NOT CURRENTLY BEING OFFERED)

GRADE(S): 11, 12

LENGTH OF COURSE: Semester (1 credit)

This course introduces the requirement for an installation of residential and light commercial electrical systems. Emphasis will be placed on local and national Electrical Codes. Hands-on experience will include such activities as basic wiring of the service entrance, panel box, circuits, switches, receptacles, telephone and TV jacks, door chimes, smoke-detectors and other similar electrical devices. **This course is specifically designed for those students choosing a Construction or Design Curriculum.** This class and Farm and Home Electricity use the same textbook.

COURSE: Farm and Home Electricity (NOT CURRENTLY BEING OFFERED)

GRADE(S): 11, 12

LENGTH OF COURSE: Semester (1 credit)

This course introduces the requirements for residential and farm electrical systems. Emphasis will be placed on local and national Electrical Codes. Hands-on experience will include such activities as basic wiring of the service entrance, circuits, switches, receptacles, lighting, special appliance circuits, and motor circuits. **The course is specifically designed for students not choosing a construction curriculum or those who are perhaps interested in a career with an agriculture emphasis and/or farming.** This class and Construction Electricity use the same textbook.

COURSE: Carpentry I* SCC (NOT CURRENTLY OFFERED)

GRADE(S): 11, 12

LENGTH OF COURSE: (Year) 2 credits

This course is designed to enable students to develop basic skills and knowledge in carpentry. Included in this course is the study of construction techniques with emphasis on basic safety, basic math, introduction to hand and power tools, basic rigging, fasteners, wood building materials, floor and wall systems, site preparation, concrete and reinforcement materials, concrete handling, and forming foundations and flatwork.

COURSE: Auto Maintenance (NOT CURRENTLY OFFERED)

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

LIMITED TO MAXIMUM OF 10 STUDENTS

This class will give students an understanding of how to do basic work on a vehicle to prolong the life of the vehicle and save them money. Topics will include checking fluid levels, tire pressure, changing oil, changing tires, and many other regular maintenance operations on vehicles.

COURSE: Home and Auto Maintenance (NOT CURRENTLY OFFERED)

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

LIMITED TO MAXIMUM OF 10 STUDENTS

Students taking this class will learn both home and auto maintenance techniques. Home maintenance provides students the opportunity to learn methods and techniques for maintaining and repairing basic household items. Topics include learning about materials, safety, planning, measurement, hand tools, power tools, equipment, materials, plumbing, electrical and drywall. Auto maintenance provides students an understanding of how to do basic work on a vehicle to prolong the life of the vehicle and save them money. Topics will include checking fluid levels, tire pressure, changing oil, changing tires, and many other regular maintenance operations on vehicles.

DEPARTMENT OF LANGUAGE ARTS

COURSE: English I+^

GRADE: 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

REQUIRED COURSE



English I is a course designed to provide the student with integrated experience with the English language. The course will use short stories and drama as a focus for reading, writing, and speaking. Students will also be involved with intensive writing projects, including a culminating research project.

COURSE: English II+^

GRADE: 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

PREREQUISITE: English I

REQUIRED COURSE

English II will study a variety of genres of literature and informational text with focus specifically on World Literature. Students will complete numerous reading and writing activities to improve language and communication skills. An emphasis will be placed on argumentative writing with research, visual symbolism presentation, and argumentative writing and analysis.

COURSE: English III+^

GRADE: 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

PREREQUISITE: English II

REQUIRED COURSE

English III will focus on recurrent themes found in American Literature and its influences from and on society. The written, visual, and oral communication skills will focus primarily on persuasion and informative modes. Vocabulary expansion will also be emphasized during these explorations.

COURSE: English IV+^

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

ENGLISH, I, II, AND III ARE NOT REQUIRED TO TAKE THIS COURSE

English IV stresses the principles of composition, document design, and rhetoric applied to the primary genres of scientific, technical, and professional writing. The class will consist of a number of projects, as well as short assignments designed to develop skills needed to complete these documents. Group work is a feature of the course, as is the reliance on emerging technologies.

COURSE: English Composition I*+^ (SCC)

GRADE(S): 11, 12

LENGTH OF COURSE: 1st Semester (1 credit)

This course is a study of the principles of writing. Emphasis on rhetoric, mechanics, and development of expository patterns: narration, description illustration, comparison/contrast, classification, process and cause/effect. Students scoring below the SCC ACCUPLACER test guidelines will need to take an additional course, called Writing Lab, which will be offered in addition to Composition. You will receive additional credit for taking the writing lab.

COURSE: English Composition II*+^ (SCC)

GRADE(S): 11, 12

LENGTH OF COURSE: 2nd Semester (1 credit)

A continuation of study of the principles of writing begun in English Composition I. Emphasis is placed on persuasive writing as well as literary analysis and the MLA research paper. Time will also be spent exploring the research sources available from the library. Prerequisite: C- or above in English Composition I.

COURSE: Public Speaking*+^ (SCC)

GRADE(S): 9, 10 11, 12

LENGTH OF COURSE: Semester (1 credit)

Students will explore a variety of speech types, including debate, informative, persuasive, impromptu, and expository speaking. This course will also give the students who may have speech anxiety the chance to learn strategies to overcome their fears. In addition to these verbal exercises, we will also explore various aspects of communication theory.

This course examines both the theoretical and practical basis of speech communication, particularly public speaking. Emphasis is on speech preparation, organization, support, delivery, and audience analysis.

COURSE: Journalism+

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

The objective of informative writing and research will be met through preparing and creating news and feature articles. It is an intensive writing class. Students must be well organized and be willing to meet deadlines and spend time outside of class attending extra-curricular activities to get interviews and research information. If you enjoy writing and design, this course might be for you.

COURSE: Introduction to Literature*+^ (SCC)

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

This course is designed to promote an appreciation of excellence in literature through illustrative types of short fiction, poetry, and drama. Emphasis is placed on the reader's interpretive skills in examining an author's craft, intent, and format.

COURSE: Lit Workshop (Academic Intervention ELECTIVE)

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

Lit Workshop is an elective course that helps to bolster vocabulary knowledge and reading comprehension skills. Students will focus on strategies to become better readers through group work, research-based activities, and independent reading.

COURSE: Transition Seminar (Academic Intervention ELECTIVE)

GRADE (S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

High School Students, who are served by an Individual Education Program, will participate in Transition Seminar as determined by their IEP team. Transition Seminar will provide instruction to students in their IEP goal areas and needs that are not covered through other services.

The purpose of Transition Seminar will be to prepare students for Transition after high school to adulthood for students with needs or IEP goals in Living, Adaptive Behavior, Behavior, or Employability Skills. Transition Seminar will help students:

1. Become aware of their IEP.
2. Work on IEP goals.
3. Explore options after high school, in the areas of living, learning, working.
4. Work on social skills.
5. Receive educational assistance.

Students will receive one credit per semester, upon successful completion of Transition Seminar standards, which will be suited to fit their needs as identified in their IEP.

COURSE: Technical Writing^{*+^}

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

This course studies the rhetorical techniques specifically oriented to industrial requirements. It applies expository patterns as incorporated within the report apparatus, including such specialized formats as process analysis, progress/lab reports, feasibility study, and the proposal. It also includes correspondence and application of basic library research skills. Course designed to meet specified career program requirements.

COURSE: Literary Study of Drama 1

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

LIMITED TO 20 STUDENTS

This course will introduce students to the nature of theatre as a performing art, including theatre appreciation. Students will study selected plays from the perspectives of actors and directors, as well as the playwright's ability to imagine the play in performance. Students will learn how to design and construct scenery, props, lighting, apply stage makeup, as well as learn to interpret the ideas of others and to apply their interpretations to new works. The course includes teamwork, play analysis, character analysis, scene work, theatre vocabulary, and theatre history. During the first semester, students in Lit Study of Drama must be the crew for the fall play. This involves attending after-school practices during the two weeks before the play, as well as all performances.

COURSE: Literary Study of Drama 2

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

LIMITED TO 20 STUDENTS

This course will introduce students to the nature of theatre as a performing art. Students will provide support for pieces chosen for large group speech, as well as the dinner theater or musical, depending on the year. They will study each selection from the perspectives of actors and directors, as well as the playwright's ability to imagine the piece in performance. Students will learn how to design and construct scenery, props, lighting, apply stage makeup, as well as learn to interpret the ideas of others and apply their interpretations to new works. The course includes teamwork, play analysis, character analysis, scene work, and theater vocabulary. During the second semester, students in Lit Study of Drama 2 must be the crew for the dinner theater/musical. This involves attending after-school practices during the two weeks before the performance, as well as all performances.

COURSE: Foundations of English I

GRADE(S): 9

LENGTH OF COURSE: Year (2 credits)

High School Students who need developmental English Language or Reading skills may be eligible, through teacher recommendation, to participate in the Foundations of English I class. Foundations of English I will provide instruction and support in the essential elements of the Iowa Core Standards and Benchmarks at the student's instructional level. This class will focus on reading and writing skills at the student's instructional level to help prepare the students for post-secondary expectations.

COURSE: Foundations of English II

GRADE(S): 10

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Foundations of English I

High School Students who need developmental English Language or Reading skills may be eligible, through teacher recommendation, to participate in the Foundations of English II class. Foundations of English II will provide instruction and support in the essential elements of the Iowa Core Standards and Benchmarks at the student's instructional level. This class will expand on the reading and writing skills that were worked on in Foundations of English I to help prepare the students for post-secondary expectations.

COURSE: Foundations of English III

GRADE(S): 11

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Foundations of English I and II

High School Students who need developmental English Language or Reading skills may be eligible, through teacher recommendation, to participate in the Foundations of English III class. Foundations of English III will provide instruction and support in the essential elements of the Iowa Core Standards and Benchmarks at the student's instructional level. This class will expand on the reading and writing skills that were worked on in Foundations of English II to help prepare the students for post-secondary expectations.

COURSE: Foundations of English IV

GRADE(S): 12

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Foundations of English I, II, and III

High School Students who need developmental English Language or Reading skills may be eligible, through teacher recommendation, to participate in the Foundations of English IV class. Foundations of English IV will provide instruction and support in the essential elements of the Iowa Core Standards and Benchmarks at the student's instructional level. This class will expand on the reading and writing skills that were worked on in Foundations of English III to help prepare the students for post-secondary expectations.

DEPARTMENT OF MATHEMATICS

COURSE: Algebra I⁺

GRADE(S): 8, 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

REQUIRED COURSE

This course will cover linear equations and inequalities and how they can be applied to real-world data. Then the student will learn the basic operations on polynomials and exponentials equations, and they will apply those concepts to solve polynomials and exponentials equations. Additionally, they will study data analysis and probability.

COURSE: Geometry⁺

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Algebra I

REQUIRED COURSE

This is Euclidean geometry, but includes solid geometry and an analytic plane geometry. When possible, hands-on activities are used to demonstrate concepts and their uses. Deductive reasoning skills are used to approach proofs, but this class stresses application over proofs.

COURSE: Algebra II⁺

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Algebra I, Geometry

REQUIRED COURSE

This is a course for those students planning on taking some post-high school training. After reviewing linear equations and inequalities, students will solve systems of equations, work with matrices, radical expressions, complex numbers, quadratic equations and inequalities, and logarithmic functions. Applying these skills to real world situations will be stressed.

COURSE: Pre-Calculus (high school)⁺

GRADES: 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Algebra I, Geometry, and Algebra II

Pre-Calc is a bridge between high school mathematics and college mathematics. You will receive a wide range of knowledge that will allow you to go into several different mathematic classes (Trig, Calculus, Stats, etc). The class will cover polynomials, logarithmic functions, exponentials, trigonometry, statistics, and probability.

COURSE: Calculus (high school)⁺

GRADES: 11, 12

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Algebra I, Geometry, Algebra II, and Precalculus

This course includes a year study of limits and continuity, derivatives, and differentiation, differentials, maximum and minimum function values and techniques of graphing, applications, and an introduction to integration.

COURSE: Math for Liberal Arts*+ Not currently offered

GRADE: 10, 11, 12

LENGTH OF COURSE: Semester (1 credits)

PREREQUISITES: Alg. 1, Geom., Alg. 2

Math for Liberal Arts is a survey course for students who have little background in mathematics. Topics include survey of sets, numbers, algebra, geometry, probability, and statistics. This course is not intended for mathematics and science majors. Prerequisites: MAT 062 with a grade of at least a C- or ALEKS score of 30 or higher or ACT Math score of 19 or higher.

COURSE: Advanced Math

GRADE: 10,11,12

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Alg. 1, Geom., Alg. 2

The study of rational, exponential, logarithmic, and polynomial functions and relations, their graphs and related equalities. The study of circular functions, graphs and applications. Vectors, trigonometric properties, equations, identities and complex numbers are treated extensively.

COURSE: Workplace Math

GRADE: 10, 11, 12

LENGTH OF COURSE: Year

PREREQUISITES: Algebra I and Geometry

This course is especially designed for students who expect to enroll in a two-year technical program, and who need to further develop math skills, which are utilized in the workplace. Those students can, at the same time, profit from an applied course in mathematics. Emphasis is placed on the building of basic algebra skills and the application of these mathematical techniques. The course also studies the relationship of geometry and algebra as they apply to various technical fields such as Electronics and Mechanical Technology, for example.

COURSE: College Algebra and Trigonometry*+ Not currently offered

GRADE: 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

The study of rational, exponential, logarithmic, and polynomial functions and relations, their graphs and related equalities. The study of the circular functions, graphs, and applications. Vectors, trigonometric properties, equations, identities and complex numbers are treated extensively.

COURSE: Life Skills Math (ELECTIVE)

GRADES(S): 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

High school students, who are served by an Individual Education Program with a goal in the area of mathematics, will participate in Life Skills Math as determined by their IEP team. The course will be delivered electronically, via an online math program. Life Skills Math will provide instruction in the area of mathematics that meets the needs of the student and is aligned with the Iowa Core Curriculum. Students will receive one credit per semester in the area of mathematics, based on successful completion of the Iowa Core standards aligned with their course.

COURSE: Math Lab (ELECTIVE)

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

Math Lab is an elective course that helps students to bolster computation skills. Students will focus on building both problem-solving and mathematical skills.

COURSE: Foundations of Algebra I

GRADE(S): 9

LENGTH OF COURSE: Year (2 credits)

High School Students who need developmental math skills may be eligible, through teacher recommendation, to participate in the Foundations of Algebra I class. Foundations of Algebra I will provide instruction and support in the essential elements of the Iowa Core Standards and Benchmarks at the student's instructional level. This class will focus on math skills at the student's instructional level to help prepare the students for post-secondary expectations.

COURSE: Foundations of Geometry

GRADE(S): 10

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Foundations of Algebra I

High School Students who need developmental math skills may be eligible, through teacher recommendation, to participate in the Foundations of Geometry class. Foundations of Geometry will provide instruction and support in the essential elements of the Iowa Core Standards and Benchmarks at the student's instructional level. This class will focus on math skills at the student's instructional level to help prepare the students for post-secondary expectations. This class will expand on the math skills that were worked on in Foundations of Algebra I to help prepare the students for post secondary expectations.

COURSE: Foundations of Algebra II

GRADE(S): 11

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Foundations of Geometry and Foundations of Algebra I

High School Students who need developmental math skills may be eligible, through teacher recommendation, to participate in the Foundations of Algebra II class. Foundations of Algebra II will provide instruction and support in the essential elements of the Iowa Core Standards and Benchmarks at the student's instructional level. This class will focus on math skills at the student's instructional level to help prepare the students for post-secondary expectations. This class will expand on the math skills that were worked on in Foundations of Geometry to help prepare the students for post secondary expectations.

DEPARTMENT OF HEALTH & PHYSICAL EDUCATION



COURSE: Co-Ed Physical Education/CPR

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Year (1 credit)

REQUIRED COURSE

CPR Training is required by the State of Iowa for graduation. Physical Education requires students to receive a regular amount of vigorous physical activity that is vital for the maintenance of good health. A well-rounded program is provided including: Fitness-emphasis will be put on fitness and wellness. We will be using a variety of equipment that will assist us with a total body workout including medicine balls, dumb bells, agility ladders and jump ropes. The class will focus on the students' flexibility, strength, agility and cardiovascular levels. Emphasis will be given to variety, precision and the progression of each activity. Each student will also be required to participate in various fitness tests, Team Sports, Individual Sports, and Recreational Sports. Students are taught how to modify activities so that they may be used as recreational sports. An emphasis is also placed on lifetime activities and rules of various activities that may be used after high school graduation. Shorts, a top, and tennis shoes that do not mark the floor are required. School locks are available and recommended for use in the locker room.

COURSE: Fitness

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

This course will have an emphasis on personal wellness. Students will be engaged in lifetime fitness exercises such as strength training, walking/jogging, and flexibility/stability exercises throughout the semester. A variety of resistance training and cardiovascular exercises will be utilized to ensure students will receive a total body workout during class time.

COURSE: General Health I

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

This course will explore many aspects of individual health: General, Mental, Nutritional and Physical. Students will learn parts and functions of these systems: Skeletal, Muscular, Nervous, Cardiovascular, Respiratory, Digestive, and Excretory. Students will also learn about and study effects of medicine, tobacco, alcohol, and illegal drugs.

COURSE: General Health II

GRADE(S): 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

PREREQUISITES: General Health I

This course begins with the study of tobacco, alcohol, and illegal drugs. Physical and legal consequences of tobacco, alcohol, and illegal drugs are discussed. One debate is held in this course over fast food. Students learn the structure and functions of the reproductive systems. STD's will be studied individually. Other units covered: Communicable/Non-communicable diseases, health products, safety/injury prevention, First Aid and Emergencies.

COURSE: Foundations of Health I (ELECTIVE)

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

High School Students who need developmental health skills may be eligible, through teacher recommendation, to participate in the Foundations of Health I. Foundations of Health I will provide instruction and support in the essential elements of the Iowa Core Standards and Benchmarks at the student's instructional level. This class will focus on health activities at the student's instructional level to help prepare the students for post-secondary expectations.

COURSE: Foundations of Health II (ELECTIVE)

GRADES(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

PREREQUISITES: Foundations of Health I

High School Students who need developmental health skills may be eligible, through teacher recommendation, to participate in the Foundations of Health II. Foundations of Health II will provide instruction and support in the essential elements of the Iowa Core Standards and Benchmarks at the student's instructional level. This class will focus on health activities at the student's instructional level to help prepare the students for post-secondary expectations.

COURSE: Speed and Strength

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester – every other day (0.5 credit)

This course will focus on foot speed, agility, power, strength, acceleration, coordination, mobility and stability. These skills will be improved through various drills, exercises, lifts and resistance equipment. Speed and Strength will improve athletic performance and aid in injury prevention. Assessments throughout the semester will be given on effort, coachability, form and exertion.

COURSE: Weightlifting Not currently offered

GRADE: 9, 10, 11, 12

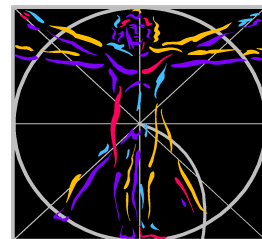
LENGTH OF COURSE: Semester - every other day (.5 credit)

The weightlifting program is designed for students to succeed individually. Lifting plans will be developed according to each student's knowledge, experience, ability and goals. Students are individually responsible for accomplishing their weight training exercise plan. Students are assessed in Dot Drill, Maximum Effort Lifts, Coachability, Warm up Technique/Effort, Proper Exercise Form and Exertion Level

DEPARTMENT OF SCIENCE

COURSE: Introduction to Physics+^

GRADE: 11, 12 (We are going to be changing the order of science; physics will be taken junior year to help with the math in physics and parts of the physics curriculum refers to chem knowledge. All sophomores and juniors will be taking Intro to Chemistry next year to adjust the offering order.)



LENGTH OF COURSE: Year (2 credits)

Using science and engineering skills, students will learn and explore foundational physics concepts, meeting Iowa CORE standards. The students will explore in authentic contexts to understand physics principles behind such things as UV radiation, cell phone technologies, how to reduce injury/damage in crashes, electromagnetism and more.

The skills emphasized include: asking questions and defining problems, developing and using models, planning and carrying out investigations, analyzing and interpreting data, using mathematics and computational thinking, constructing explanations and designing solutions, and engaging in argument from evidence. Emphasis will also be on common thread concepts between the sciences like patterns, energy transformation, models, structure and function, as well as scientific communication.

The focus is to both prepare students to be scientifically literate citizens and to prepare students to think like scientists and engineers.

COURSE: Introduction to Chemistry +^

GRADES: 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

Using science and engineering skills, students will learn and explore foundational chemistry concepts, meeting Iowa CORE standards. The students will explore in authentic contexts to understand chemistry principles including chemical reactions, dynamic equilibrium, thermodynamics, nuclear processing, energy in chemical and nuclear processes, and how electrical interactions affect chemical processes.

The skills emphasized include: asking questions and defining problems, developing and using models, planning and carrying out investigations, analyzing and interpreting data, using mathematics and computational thinking, constructing explanations and designing solutions, and engaging in argument from evidence. Emphasis will also be on common thread concepts between the sciences like patterns, energy transformation, models, structure and function, as well as scientific

communication. The focus is to both prepare students to be scientifically literate citizens and to prepare students to think like scientists and engineers.

COURSE: Biology+^

GRADE: 9

LENGTH OF COURSE: Year (2 credits)

REQUIRED COURSE

The entire course is based on concepts of ecology. Major points that will be emphasized are organisms, patterns of life in the world, cell biology, biochemistry, behavior, genetics, evolution, animals, and plants. There is major lab work throughout the year.

COURSE: Anatomy & Physiology+^

GRADE(S): 11, 12

LENGTH OF COURSE: Year (2 credits)

A course in anatomy and physiology provides the information required to understand the connectedness of human structure and function and to understand how organized anatomical structures of a particular size, shape, form and placement serve unique and specialized functions. The course is based on the levels of organization in the human body. The interaction of how the structure and function of the human organism at the chemical, organelle, cellular, tissue, organ and system level is achieved and maintained by dynamic counterbalancing forces within the body is stressed throughout the course. Major dissection of the cat is included in the course. This dissection allows students to study anatomy similar to that of man by providing a hands-on study of muscles, blood vessels, and nerves that cannot be pursued with smaller, immature animals.

COURSE: Marine Science (Oceanography) (1 semester) (1 credit)

GRADES: 9, 10, 11, 12

LENGTH OF COURSE: 1 semester 1 credit

This is an interdisciplinary course that covers many facets of the Ocean. Students will get the history of Oceanography followed by the geology of the ocean. Students will then study the specific chemistry of water and the physics of different currents and waves that are encountered in the ocean, and their impact of the life in the ocean. This will lead into the Biology of Marine ecosystems and the ecology that connects it all together. The course will conclude discussing the way that humans have impacted the ocean, in negative and positive ways. This course will include possibly five dissections including, but not limited to, Sea star, squid, clam, perch, and shark.

COURSE: Introduction to High Power Rocketry (1 credit) 1 Semester (Fall)

GRADES: 9, 10, 11, 12

LENGTH OF COURSE: 1 credit 1 semester

This class introduces students to the use of physics concepts applied to high power rockets.

Students will need to determine the stability of rockets by design in relation to concepts such as center

of aerodynamic pressure, center of gravity, and Newtons laws of motion. Students will experience extensive labs during which they will build a high power rocket, and launch it in order to receive a Junior Level 1 High Power Rocket certification through the Tripoli Rocketry Association. This certification will also require a proficient score on a written certification test administered before this attempted flight.

COURSE: Real World Innovation

GRADES: 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

A project- driven class, you will learn the basics behind designing and build solutions to improve the world around you, A blend of hands-on science and technology, with topics ranging from basic engineering ideas to the science principles needed for your project, including robotics. Imagine and innovate to change things in your world!

COURSE: Investigations of Science

GRADES: 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

A project-driven class, you will investigate science in the world around you. A blend of hands-on science, supported with technology, with topics ranging from basic investigation principles to the science principles needed for your projects. From citizen scientist to future scientist, you can investigate, inquire and discover to expand understanding of your world.

COURSE: Environmental Science Not currently offered

GRADE: 9, 10, 11, 12

LENGTH OF COURSE: Year/Every other Day opposite PE (1 credit)

This course will look at theories of how Earth developed and why it is inhabitable for life, while other planets are not. Over the course of the semester, students will learn what chemical elements and gases are fundamental for life and what kind of land features make Earth's environment more hospitable for life. As astronauts continue their quest for knowledge of other planets, we have to examine how we get to these places and calculate the time it would take to get these answers. Essential to life is water, so this course will look at how water behaves in gaseous, liquid or solid forms and how that relates to our Earth's formation. In addition, we will investigate how human activities impact the Earth's surface and how the Earth's processes impact human activities.

COURSE: Advanced Chemistry+^

GRADE: 12

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Algebra I, Introduction to Chemistry

Advanced Chemistry will build on learning from Introduction to Chemistry, delving more in depth into what things are made of, how these components are arranged in structures, and other abstract ideas of how matter behaves. Topics to be explored include: what an atom is made of, the periodic table, chemical reactions, and problem solving. This class is definitely for anyone exploring careers in

sciences, forensics and medicine, and includes hands-on labs and other skills to prepare each student for post-secondary pursuits.

COURSE: Advanced Physics+^

GRADE: 12

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Introduction to Physics, Geometry, and MUST have completed or be enrolled in Algebra II, and must have received a C or higher in Algebra I.

This class is definitely useful for anyone exploring careers in the sciences, industrial vocations, engineering and health, but will also include labs from which everyone could benefit.

Building off of work in Introduction to Physics, students will move toward deeper understandings in dynamics and mechanics, which include forces, motion and energy, and momentum. Additional topics may include electricity and magnetism, sound and light, optics (lenses/mirrors), nuclear physics, special relativity, quantum mechanics, and possibly other modern physics topics.

Students must be ready to be involved in their own learning and in many laboratory experiences, as well as constructing and solving algebraic equations. Students will explore many different ways to represent information. Students will often work in groups and with advanced technology.

COURSE: Foundations of Biology

GRADE(S): 9

LENGTH OF COURSE: Year (2 credits)

High School Students who need developmental science skills may be eligible, through teacher recommendation, to participate in the Foundations of Biology class. Foundations of Biology will provide instruction and support in the essential elements of the Iowa Core Standards and Benchmarks at the student's instructional level. This class will focus on science activities at the student's instructional level to help prepare the students for post-secondary expectations.

COURSE: Foundations of Environmental Science

GRADE(S): 10

LENGTH OF COURSE: Year (1 credit – this class is every other day)

PREREQUISITES: Foundations of Biology and Foundations of Biology

High School Students who need developmental science skills may be eligible, through teacher recommendation, to participate in the Foundations of Environmental Science class. Foundations of Environmental Science will provide instruction and support in the essential elements of the Iowa Core Standards and Benchmarks at the student's instructional level. This class will focus on science activities at the student's instructional level to help prepare the students for post-secondary expectations. This class will expand on the science skills that were worked on in Foundations of Biology to help prepare the students for post-secondary expectations.

COURSE: Foundations of Physics

GRADE(S): 11

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Foundations of Environmental Science and Foundations of Biology

High School Students who need developmental science skills may be eligible, through teacher recommendation, to participate in the Foundations of Physics Science class. Foundations of Physics Science will provide instruction and support in the essential elements of the Iowa Core Standards and Benchmarks at the student's instructional level. This class will focus on science activities at the student's instructional level to help prepare the students for post-secondary expectations. This class will expand on the science skills that were worked on in Foundations of Environmental Science to help prepare the students for post-secondary expectations.

COURSE: Foundations of Chemistry

GRADE(S): 12

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Foundations of Physics Science, Foundations of Biology and Foundations of Environmental Science

High School Students who need developmental science skills may be eligible, through teacher recommendation, to participate in the Foundations of Chemistry class. Foundations of Chemistry will provide instruction and support in the essential elements of the Iowa Core Standards and Benchmarks at the student's instructional level. This class will focus on science activities at the student's instructional level to help prepare the students for post-secondary expectations. This class will expand on the science skills that were worked on in Foundations of Physics Science to help prepare the students for post-secondary expectations.

DEPARTMENT OF SOCIAL STUDIES**COURSE: World History+^**

GRADE: 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

REQUIRED COURSE

This course examines the development and diversity of human civilization from Greek and Roman times to the present. The course focuses on European history, with African, Asian, and American history examined as well. Areas of study include early civilizations, empires of the ancient world, the rise of Europe, the rise of Islam, Chinese and Japanese culture, the Renaissance and Reformation, the Age of Exploration, the Enlightenment and Age of Revolution, industrialism, nationalism, imperialism, World War I, and the world today.

COURSE: American History+^

GRADE: 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

REQUIRED COURSE

This course examines the social history of the United States while examining the political and economic importance that has helped our country develop to where we are today. This course places emphasis on the 20th century history, starting at the Great Depression. Areas of study include: economic increase and downfalls, foreign affairs and wars from the United States' point of view, Civil Rights Movement, the Holocaust, and relating all historical events to some part of current events in our present world.

COURSE: AP United States History+^ Not Currently Being Offered

GRADE: 9, 10, 11, 12

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Suggested: B or above in World History

The AP program in United States History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. This course will assist students in preparing for future life skills including but not limited to: college career readiness, timeliness, proper use of grammar and spelling, how to form an argument and back it up with factual evidence. AP United States History will help students obtain a more in-depth learning experience while also giving them the tools that they will need with forming arguments, collecting data, and coming to conclusions.

COURSE: American Government+^

GRADE: 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

REQUIRED COURSE

This course supplies students with the knowledge and tools they need to live in our democracy. Major areas of study include the US Constitution, the three branches of the federal government, civil rights, political parties and voting, political propaganda techniques, criminal law, state and local government, and comparative political systems. Students will examine these subjects as they pertain to current events, and will experience these subjects by participating in hands-on simulations. This course will also allow students to understand their rights and liberties they have as American Citizens and prepare them for the upcoming political that lies ahead.

COURSE: Understanding American Culture

GRADES: 10, 11, 12

LENGTH OF COURSE: 1 Credit

DESCRIPTION: In this course, you will learn about American history by analyzing American culture from the colonial period to the present. We will evaluate music, art, literature, film, and various forms of popular culture to understand how Americans represented the nation and crafted a unique national identity. This is an *interdisciplinary* course—it combines aspects of other subjects such as English or sociology—to provide you with a broader historical perspective. It should also be fun because you will be able to explore the aspects of American culture that most interest you.

COURSE: Sociology I+^

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

Sociology will give special attention to the examination of individuals and groups in society; social class and social conflict; social institutions such as the family, education, and political organization; and social change. Sociology is designed to enable students to understand the nature of society, culture and personality and how they affect our human relationships.

COURSE: Sociology II+^

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

A student does NOT have to have Sociology I in order to take Sociology II

Sociology II will discuss the development of the individual from birth through adulthood. The class is intended to contribute toward better personal and social adjustment by enhancing the students' understanding of themselves and others, and also provide an understanding of psychological principles, theories and techniques that will result in more effective functioning in the students' life.

COURSE: Economics+^

GRADE(S): 9, 10, 11, 12

LENGTH OF COURSE: Semester (1 credit)

REQUIRED COURSE

This course will serve as an introduction to macroeconomics. Students will explore the concept of global economy. They will identify how the economics of the US both controls and yet is dependent on other world economies. This course will also allow students to work hands-on and create projects and products that connect the information back to their previous knowledge in economics. Students will also be more informed about future economics that will affect them and how they can save money and be economically "safe".

COURSE: Foundations of World History

GRADE(S): 10

LENGTH OF COURSE: Year (2 credits)

High School Students who need developmental social studies skills may be eligible, through teacher recommendation, to participate in the Foundations of World History class. Foundations of World History will provide instruction and support in the essential elements of the Iowa Core Standards and Benchmarks at the student's instructional level. This class will focus on world history activities at the student's instructional level to help prepare the students for post-secondary expectations.

COURSE: Foundations of American History

GRADE(S): 11

LENGTH OF COURSE: Year (2 credits)

PREREQUISITES: Foundations of World History

High School Students who need developmental social studies skills may be eligible, through teacher recommendation, to participate in the Foundations of American History class. Foundations of American History will provide instruction and support in the essential elements of the Iowa Core

Standards and Benchmarks at the student's instructional level. This class will focus on world history activities at the student's instructional level to help prepare the students for post-secondary expectations. This class will expand on the social studies skills that were worked on in Foundations of World History to help prepare the students for post-secondary expectations.

COURSE: Foundations of American Government

GRADE(S): 12

LENGTH OF COURSE: Semester (1 credit)

PREREQUISITES: Foundations of American History and Foundations of World History

High School Students who need developmental social studies skills may be eligible, through teacher recommendation, to participate in the Foundations of American Government class. Foundations of American Government will provide instruction and support in the essential elements of the Iowa Core Standards and Benchmarks at the student's instructional level. This class will focus on American Government activities at the student's instructional level to help prepare the students for post-secondary expectations. This class will expand on the social studies skills that were worked on in Foundations of American History to help prepare the students for post-secondary expectations.

COURSE: Foundations of Economics

GRADE(S): 12

LENGTH OF COURSE: Semester (1 credit)

PREREQUISITES: Foundations of American Government, Foundations of World History, and Foundations of American Government

High School Students who need developmental social studies skills may be eligible, through teacher recommendation, to participate in the Foundations of Economics class. Foundations of Economics will provide instruction and support in the essential elements of the Iowa Core Standards and Benchmarks at the student's instructional level. This class will focus on economics activities at the student's instructional level to help prepare the students for post-secondary expectations. This class will expand on the social studies skills that were worked on in Foundations of American Government to help prepare the students for post-secondary expectations.

MULTI-OCCUPATIONAL COOPERATIVE (MOC) PROGRAM

GRADE: 9, 10, 11, 12

LENGTH OF COURSE: Semester (credits vary)

RECOMMENDED Pre-Requisite: Workplace Readiness

The Multi-Occupational Cooperative (MOC) Program allows students the opportunity to discover strengths and establish work skills under direct training in a workplace setting within the local community. Students will earn credit by attending an assigned workplace for a set amount of time each day of the week in addition to completing other classes on campus the remainder of the day. Students will be required to sign a contract, complete daily and weekly reflections, be evaluated by both the employer(s) and the assigned teaching staff, and will be representing the school district

within the community. This opportunity will increase focus on postsecondary readiness regardless of career or educational aspirations. In addition to the one MOC credit the student will earn, additional CTE/electives/core credits may be available to earn depending on the placements and needs of the district's graduation requirements.

DEPARTMENT OF HEALTH OCCUPATIONS
Courses will be taken at New London HS as Early Bird Classes



See subsequent pages for more details on registration for SCC CAREER ACADEMY COURSES. Students will be responsible for the cost of the textbook(s) for concurrent enrollment courses unless granted a waiver (see waiver possibilities under the “Senior Year Plus” heading later in the handbook).

COURSE: Medical Terminology*

GRADE(S): 11, 12

LENGTH OF COURSE: Semester 1

This course is designed to study the basic language related to medical science with emphasis on word analysis, construction, definitions, pronunciations, spelling and standard abbreviations. Students will be responsible for the cost of the book(s) for this class and those below. This class and the others below are held in New London.

COURSE: Medical Law & Ethics*

GRADES: 11, 12

LENGTH OF COURSE: Semester 1

This course exposes students to legal concepts of standards of care, scope of employment, criminal and civil acts, contract negligence and ethical concepts.

COURSE: Medical Human Relations*

GRADES: 11, 12

LENGTH OF COURSE: Semester 2

This course includes the study of the fundamental principles related to human relations, self-improvement, professional appearance and attitudes, limitations, and behaviors. Principles of individualized client care and etiquette of the medical practice are emphasized.

COURSE: Certified Nurse's Aide (CNA)*

GRADE(S): 11, 12

LENGTH OF COURSE: Semester 2

Emphasis of this course is on students gaining a basic level of knowledge and demonstrating skills to provide safe, effective resident care. This course meets the Iowa Department of Inspections and Appeals requirements for nurse aides working in long-term care and skilled facilities. Clinical experience will be held in the evenings or on Saturdays. Special clothing is required for the clinical portion of the class. Upon completion, students are eligible to take the written/oral and skills



performance competency tests to become a Certified Nurse Aid. **A \$25 charge for a background check paid at registration, will be the responsibility of the student and/or parent, not the District. Additional student/parent responsibility for CNA BEFORE class has begun with student &/or parents being responsible for the costs, not the District, is DOUBLE TB TESTING – cost is approximately \$30 and can be done at a County Public Health Center or with the student’s personal physician. DRUG SCREENING TESTS must be completed after the start of the course and before clinicals—cost is approximately \$45 (paid by the student/parent), and the test will be taken at Great River Medical Center. Students receive very little notice of the date for testing. Should the student fail the drug test, they will not be able to complete CNA and will receive a Withdrawal (W) on the SCC transcript, which could result in problems with future college financial aid. However, the student may still stay enrolled in the class should they decide to do so. Cost for test books will still be the student’s responsibility even though they will no longer be in the CNA class after failing the drug test. SCC schedules the initial date of the drug test and the instructor will transport the students to the clinic when this test is scheduled. At the conclusion of the course the cost of skills testing \$85.00 and written exam \$50.00 will be paid by the student should they wish to become certified.**

+Figured Into RAI Score

^Approved NCAA Course

*Concurrent Enrollment Class, SCC

Post-Secondary Enrollment Options Act

The New London Community School District provides students an opportunity to participate in the option to take college classes concurrently in the district or online through Iowa Community College Online Consortium through Southeastern Community College. The students must meet one of the following options for demonstrating proficiency in order to be eligible to take a college class.

1. Student scores on the Iowa Statewide assessment of student progress (ISASP).
2. Measures of college readiness jointly agreed upon by the school board and the postsecondary institution.
3. Alternative but equivalent qualifying measures.

Students may enroll part-time in eligible nonsectarian courses and earn high school as well as college credit. **For easy access, articulation agreements exist with both Southeastern Community College– SCC has added additional categories to the original Act, all of which are seen below.**

*Concurrent Enrollment Credit classes fit into several categories at SCC: **PACE** (courses taken on the college campuses or online courses), **Concurrent Enrollment Liberal Arts/Sciences** (taught in the high schools using college syllabi and criteria), and **Career Academy***

(Career Technical Education (CTE) designated courses which may be taught in the high school or at the college campus).

Any concurrent enrollment course will appear on two transcripts, SCC's and New London High School's. All State and Local rules/policies apply equally to concurrent enrollment courses just as they do for all other New London High School courses, including eligibility requirements. Please see the Student Handbook for further information regarding eligibility. The student is responsible for contacting SCC to forward the college transcript to any other colleges/universities the student plans to attend after high school graduation. This can be done on-line within the SCC website. Both the high school and the college will give credit for the concurrent enrollment course upon receiving a passing grade in the course, and both the amount of credit, each institution gives, and the grade will be shown on the student transcripts for each course in which the student is enrolled under the Senior Year Plus Guidelines. Online concurrent enrollment courses may/may not be instructed by an SCC teacher since SCC is part of one of the State-wide consortiums responsible for online courses. Always look at the SCC website (www.scciowa.edu) or call the college for the drop date for 100% refund and also the final drop/withdrawal date with no refund.

Please be aware that new federal guidelines are in place to lower overall student loan debt. A student may be denied financial aid upon entry into a postsecondary institution and each semester thereafter, if the student has not successfully completed 67% (2/3's) of the college credits attempted. High School students, in addition to college students, may also be informed, per letter from SCC, that they have not successfully completed enough college credits while they take concurrent enrollment courses. Withdrawals (W) on the college transcript, in addition to failing grades (F's), are considered unsuccessful credits. Therefore, a high school student must continuously be vigilant to not receive enough W's and/or F's, by the end of their high school career, to receive a warning letter from the college. They must also not end their high school career with a deficiency in the concurrent enrollment credit count, or they may not be allowed to collect financial aid at the college level. There is an appeal process for the high school student to disclose any extenuating circumstances that lead to the W or the F. The appeal is the responsibility of the student/parent, not the District.

Senior Year Plus Guidelines for Concurrent Enrollment

STATE APPROVED CRITERIA ENSURING READING, MATH, & SCIENCE PROFICIENCY AS REQUIRED BY SYP:

A student is proficient when they have achieved the 41st National Percentile Rank or higher on the most current math, science, and reading Iowa Assessments.

If a student at New London High School **does not** meet the proficiency requirement as stated above, he/she may choose an alternative assessment or evaluation stipulated by the school. The following list includes approved measure for proficiency. The student must be proficient in on of these measures in order to take concurrent classes.

1. The student is proficient on the reading, math, and science portions of the ACT, Pre-ACT, Or ACT ASPIRE test(s). The criteria for this is if the scores for reading, math, and science put the student above the 41st percentile nationwide (Reading: 19; Math: 18; Science: 19).
2. The student will be judged proficient if they have received a letter grade of "C" or

better in the last related (similar to the content they will be taking) course taken in reading, math, or science.

3. The student may be judged proficient by a team of New London High School faculty. The student's work will be assessed through a related coursework portfolio.

In addition, Students taking concurrent classes (high school students enrolled in community college coursework) must have the scores required by SCC to take that particular class **and** receive college credit.

Students wanting to take concurrent English or math classes must have one of the following scores in in order to take the class:

Composition I with Lab, Composition II, and Technical Writing – Accuplacer 20 to 39 OR ACT English score of 1-5 AND Writeplacer 5 or above; Accuplacer 40 to 59 OR ACT English score of 6-11 AND Writeplacer 4 or above; Accuplacer 60 to 79 OR ACT English score of 12-15 AND Writeplacer 3 or above; Accuplacer 80 to 99 OR ACT English score of 16-19 AND Writeplacer 2 or above; Accuplacer 100 to 120 OR ACT English score of 20-36 AND Writeplacer 1 or above.

Math for Liberal Arts – No ALEKS score or ACT score will be needed to get into this class.

Pre-Calculus – ALEKS 61 to 75 or ACT 25 or above

Calculus I – ALEKS 76 to 100 or ACT 29 or above

Statistics – ALEKS 46 to 60 or ACT 22 or above

If you have any questions please do not hesitate to call Mr. Kracht, Mrs. Alspach, or Mrs. Lair. Feel free to send us an email and we will respond to your questions. It is important that students and parents understand the requirements for students taking concurrent classes.

Those High School (HS) students identified as TAG may apply for and schedule “concurrent enrollment” classes during their 9th and/or 10th grade years, in addition to 11th and 12th grade.

The student/parent must consult with the counselor and/or principal of New London HS and check the college website for available courses before registering as a High School Student taking concurrent enrollment classes, and in some cases take the ALEKS and/or Accuplacer tests at SCC to qualify (English Composition I & II taught at New London, for example). In addition, both parent and student signatures are required on a contract, which is kept on file in the counselor's office, and/or a copy is sent to the college.

The state has lifted the maximum allowed concurrent enrollment credits that a student is allowed to have in a school year. However, SCC still has a maximum number that they allow in a term. In practice, this means that eligible students are now permitted to enroll through the school district in courses offered through concurrent enrollment and/or the postsecondary enrollment options (PSEO) program even if the student exceeds 23 credits at any one eligible postsecondary institution within an academic year. There is no longer a statutory limit on the number of credits in which a student may enroll.

The District **may** require a pre-requisite HS course in a similar subject area as a pre-requisite to taking a college course as long as the high school course operates under the same Standards, such as requiring the New London Sociology I and/or II course as pre-requisites to the college Intro to Psychology and Intro to Sociology, New London Algebra II as a pre-requisite to college Intermediate Algebra, New London Pre-Calculus/Trig as a pre-requisite to college Pre-Calculus or Trig or New

London Calculus as a pre-requisite to college Calculus and New London Public Speaking as a pre-requisite to college Public Speaking.

The school district will pay for all textbook fees for ALL students. Textbooks purchased by the District must be returned to the District upon completion of the course. Some used texts are available in the guidance office, which must also be returned. Students have the option of purchasing college textbooks from the District for the original purchase price once the students have completed their coursework unless the textbook will be replaced with a new edition in the next semester. In that case, textbook prices may be reduced.

Students enrolled in PSEO, as opposed to PACE and Career Academy, concurrent enrollment courses, no matter what their individual circumstances, are not required to purchase textbooks. They are included in the price of tuition. At SCC, PSEO courses are only those, which are offered via ICN.

The District is not responsible for payment of tuition or textbooks during summer months, nor would the courses be counted as HS credit.

Steps to Follow for Concurrent Enrollment

- Check with counselor to see if proficient in reading, math, and science.
- If not proficient, go to the page in this Academic Handbook listing alternate measures.
- Check grades and/or alternate testing options for proficiency.
- Call SCC and schedule a COMPASS exam with the Success Center, and take the exam.
- Browse the SCC website for possible courses: on Campus, online, or at a high school.
- Talk to the counselor and schedule the course.
- Apply online for entry to SCC as a high school student taking concurrent enrollment.
- Do not apply to SCC if already done in a previous year.
- Take home the concurrent enrollment contract, have parents sign it, and return it.
- For S2 courses, add the college credits to make sure there are no more than 23.9.
- Read the letter sent by SCC documenting the course and section number.
- Go to the Bookstore and buy the textbook, when it is available, after checking online.
- Check the SCC website to find the **Concurrent Enrollment Student Handbook**.
- Get onto the computer to check the syllabus and curriculum as soon as allowable.
- If the account name and password don't work, contact counselor immediately.
- Contact the SCC tech department and tell them you can't access the account.
- If the account still can't be accessed, tell the counselor again.
- Because of privacy concerns, no one will know if another student has the same name.
- If the above happens, the computer will have assigned some numbers to the account name.
- The only way to know if this has happened is to **seek immediate help**.
- Make certain to note when assignments are due and turn them in early.
- Understand that college instructors usually don't accept late papers or tests.
- Don't be afraid to email the instructor and ask questions or make comments.
- Contact the instructor often.
- The counselor will want to check grades every couple of weeks.
- The counselor or parents do not have direct access to the grades or the instructor.
- Keep up on all assignments and tests and complete work on time.
- If taking a test, which lasts longer than a period, keep working on it and ask for a pass.

- When the course is completed, please give the counselor the textbook if not the student's.
- GOOD Luck!

OTHER SCC CONCURRENT ENROLLMENT CREDIT COURSES

Some courses may be added at the New London High School campus on a later date. Please see the counselor for a list of those classes with the day of the week and time of day.

EXAMPLES OF ONLINE CONCURRENT ENROLLMENT CLASSES AVAILABLE:

(This list is not all-inclusive but consists of popular courses in which New London students have been enrolled in the past. A complete list of online classes is available for each semester online at www.scciowa.edu. Students, please consult with the school counselor in the semester prior to the one in which a concurrent course is desired to sign up for the course. New London must follow the SCC absolute deadlines, which vary semester by semester, to complete the registration for concurrent enrollment courses. The student must also register as an SCC High School student at the college's website to lock in the course and also sign a contract for New London HS, which includes the parents' signatures.

Developmental Psychology	Essentials of Anatomy & Physiology
Survey of World Religions	Fundamentals of Web Programming
History of American Indians & Culture	Statistics
Western Civilization	Art History I/II
Art Appreciation	Med Term
Young Adult Literature	Intro to Sociology

IOWA LEARNING ONLINE

The Iowa Learning Online (ILO) is an IA Department of Ed. initiative originally developed in 2004 to help IA high schools expand student-learning opportunities through online, ICN, and other distance learning technologies. ILO is currently offering online classes to support struggling learners and students needing credit replacement, in addition to supporting over achievers who want to graduate early, home schooled students, and it can also be used to resolve scheduling conflicts. The ILO courses will conform to the Alternative Instructional Courses Policy, which follows later in this handbook. The ILO website provides at-a-distance classes offered by ILO, IA accredited high schools, and IA colleges. The ILO classes are contained in one of three phases: Phase #1 includes high school courses taught by full-time ILO instructors who use a combination of online assignments and communication between instructors and students, in addition to among all students enrolled in the course. There are virtual office hours at least once per week over the ICN, and several regional labs are held throughout the year. Most of the classes in Phase #1 are quite rigorous, with the exclusion of General Biology, and are offered free of charge. The courses available are Anatomy & Physiology, Chemistry, General Biology, Mathematics (Alg., Pre-Calc, and Calc), and Physics. Phase #2 includes less rigorous coursework in Government, American History, English 9 & 10, and World History. These courses are also free and are usually entirely online in composition. Phase #3 includes courses, which are sold by school districts and vary from year to year. Consequently, there would be a fee (normally approximately \$150) involved to be paid by the student and parent (a fee waiver may be available for students participating in the free and reduced lunch program). These courses are utilized

to expand curriculum choice and are too numerous to mention here. Please see the school counselor for the additional course list.

IOWA ONLINE ADVANCED PLACEMENT ACADEMY

Iowa Online Advance Placement (AP) Academy courses have now been incorporated into ILO. The list of the AP courses will vary from year to year so please see the school counselor or go to the website (IowaLearningOnline.org) for the list of offerings.

District Provided On-line Learning - (credit recovery web-based program).

On-line courses may be offered in place of a course we offer if a need is determined by our school-based team.

On-line courses may be used for credit recovery.

On-line courses may be offered for enrichment

To be eligible, a student may be required to fail a class twice before an on-line course will be offered. However, each student will be looked at on a case-by-case basis and an exception to this rule may be granted.

On-line courses cannot be used for early graduation.



A group consisting of at least 3 of the following school personnel the School Counselor, At-Risk Coordinator, Building Principal, Special Education Teacher, and General Education Teacher will assign online classes. One exception to this rule may be any classes decided upon during a staffing. **On-line** classes can be assigned by the TEAM at any staffing.

EARLY GRADUATION

Students who meet the graduation requirements set by the board prior to the end of their senior year may apply to the High School Principal for early graduation. Students must apply at least one semester prior to the completion of the graduation requirements. In order to graduate early, students must have the approval of the superintendent and principal and appear before the board for its approval.

Students who graduate early become alumni of the school district and are not allowed to participate in school activities, including senior activities, except for graduation ceremonies and prom.

INDEPENDENT STUDY

Students wishing to take New London High School courses via independent study with the regular classroom teacher will have their requests considered on an individual basis. Items to be considered:

1. GPA.
2. Teacher approval.
3. Class being requested.
4. Reasons for the request.

Ordinarily no required class may be taken in this manner, and the principal will make the final decision regarding classes taken in this manner.

ADVANCED PLACEMENT COURSES

In an effort to challenge students academically, New London schools will provide the following incentives for students enrolling and completing Advanced Placement courses:

- Students will receive an extra weighting of .5 for the course. (i.e. an “A” worth 4.0 would be calculated as 4.5)
- If the student desires to complete the AP exam (a score of 3, 4, or 5 may allow the student to receive college credit determined by each individual postsecondary institution).

SCHEDULE CHANGES

It is very important that students choose their courses wisely. The master schedule is built around these choices. Students wishing to change their class schedules are expected to do so in the time periods designated. **Fall semester schedule changes are to be made during the previous year by May 1st. Students will not be able to change classes during registration.** Spring semester schedule changes are to be made during the month of December.

Any student wishing to add a class to replace a study hall may do so in the first two days of each semester. Schedule changes not made during the designated time period can be made if the following conditions apply:

1. Previous student failure in related course
2. Inappropriate level placement (example: Algebra I teacher recommends Introduction to Algebra A).
3. Computer error

Requests to make schedule changes that do not meet the above conditions may be made based on the following criteria:

- 1) Fall semester schedule changes must be completed by May 1st.
- 2) Required courses may not be dropped.
- 3) The course to be dropped may not be an SCC course that has already been registered.
- 4) Courses required by state law to be offered and taught may not be dropped.
- 5) The course dropped must be replaced by another course of equal credit value.
- 6) The change must fit into the student's schedule.
- 7) The change must not adversely affect the current enrollment balance.

Schedule change requests that do not meet the above criteria and are still requested will result in a failure.

RECRUITMENT STATEMENT FOR ATTAINMENT OF MULTI-CULTURAL/ NON-SEXIST CLASSES

All new students entering the New London High School and/or New London Middle School, will be personally informed, over and above the current student handbook that the New London School District does not discriminate in regard to race, or sex, or color and that all courses in the curriculum are open to all students regardless of course stereotypes formed in the past. All girls will be encouraged to take such courses as: Construction Occupations, Construction Electricity, Physics, and all boys will be encouraged to take such classes as: Foods, Clothing, Child Development, etc.

NCAA DIVISION I, II, and III REQUIREMENTS, plus NAIA RULES

Students who want to participate in NCAA Division I, II, or III athletics must meet certain requirements to be eligible for financial aid awarded by the college or to practice and compete on an intercollegiate team during their first year of attendance. For more information on these requirements discuss with your school counselor or go to www.ncaaclearinghouse.net. In like fashion, students should check out the NAIA Eligibility Center at <http://www.playnaia.org/page/register>

