FLORENCE HIGH SCHOOL

2025-2026 Curriculum Handbook

Coursework to Prepare You for College and Career Readiness

Mission Statement

The School District of Florence County, as a team,
promotes a culture of continuous improvement for both
students and staff in academics, positive behaviors and instruction
through progressive, research driven best practices.

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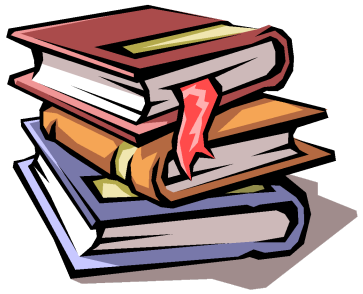


CAREER PLANNING

The Florence High School Curriculum Handbook incorporates the Career Clusters into the course selections. These tools, courses of study and Career Pathways, are ways for students to group their required courses and electives into a coherent sequence in preparation for college and careers. Utilizing the 16 Career Clusters, students can identify pathways from high school to two-and four-year colleges, graduate school, and/or directly to the workplace. By connecting education to future goals students are motivated to work harder and enroll in more rigorous courses. Almost all career possibilities can be found within the 16 Career Clusters. Students at Florence High School are fortunate to have the opportunity to take coursework relevant to all 16 Career Clusters. Communicating career and educational goals to your high school counselor, and exploring the 16 Career Clusters at http://www.careertechs.org/career-clusters aid students in choosing relevant and applied coursework designed to meet their individual educational and career goals.

REGISTRATION GUIDELINES

CHOOSE COURSES CAREFULLY -- The subjects you select should have considerable thought behind them. See the guidance counselor to determine whether the subjects you select support your future career path. You are expected to complete the courses you choose, so be certain to read course descriptions carefully.

DROP/ADD POLICY

Consideration for schedule changes will be done the first ***three*** contact days of each semester for any of the following reasons:

- If a course conflict exists.
- If a student fails a class.
- If a student fails a pre-requisite for a class.
- If the teacher, parent, and student agree that the student has signed up for a class that is not appropriate for that student based on academic abilities, career goals, or other factors.

Schedule changes will be held to a minimum. The student must obtain:

- A Drop/Add form from the high school office with the proposed schedule changes already filled out.
- Teacher initials for all classes affected.
- Signature of a parent/guardian.
- Signature of the school counselor or principal.

Students who drop courses after the three-day deadline will receive an F. Students cannot let the number of credits they are taking fall below 7.

FAILING A REQUIRED COURSE

Students who fail a required course will be held responsible for making arrangements to reschedule the course. These rescheduling arrangements should be made as soon as possible, to prevent conflicts in graduation during the senior year. It is strongly recommended that a failure in a semester course be made up the following semester; year courses should be made up the following year. Multiple failures in academic course work in grade twelve or previous years, if not corrected, may result in the student returning to school for another year or making special arrangements through evening schools, summer schools, or correspondence courses. These special arrangements must be approved by the high school principal.

ELECTIVE COURSES

Students who fail elective courses need not repeat these courses. However, students failing elective courses are still responsible for rescheduling courses to meet credit requirements for graduation.

GRADUATION REQUIREMENTS

Twenty-six (26) credits are needed for graduation.

English	4 credits
Math	3 credits
Social Studies	3 credits
Science	3 credits
Physical Education	1.5 credits
Health	.5 credit
Electives	11 credits

REQUIRED COURSES FOR EACH GRADE LEVEL

Freshmen	Intro. Science	1 credit
	English 9	1 credit
	US History 1	1 credit
	Math	1 credit
	Physical Education	.5 credit
	Health	.5 credit
Sophomores	Biology	1 credit
	English 10	1 credit
	US History 2	1 credit
	Math	1 credit
	Physical Education	.5 credit
Juniors	English 11	1 credit
	Physical Education	.5 credit
	World History	.5 credit
	Math	1 credit
	Science	1 credit
Seniors	English 12, or	
	Writing Foundations 100	1 credit
	American Government	.5 credit

MATH PROGRAM

All freshmen will be scheduled into Algebra, with the exception of students who had Algebra as an 8th grade student. In this case, they will take Geometry.

PHYSICAL EDUCATION

All students are required to take 1½ credits of physical education.

GRADING AND HONOR ROLL

1. The value of grades when computing student grade point averages:

A+ 4.00	C+ 2.38
A 4.00	C 2.00
A- 3.67	C- 1.67
B+ 3.33	D+ 1.33
B 3.00	D 1.00
B- 2.67	D-. 67

2. Computing Grade Point Average (G.P.A.)

   Add the total number of letter grades and divide by the number of grades earned to determine a student's grade point average. Grades are weighted by credits earned. For example: A two-credit class grade will count twice and a ½ credit class will count only half.

3. Honor Roll

   Inclusion in the honor roll requires that a student fall within the following limits:

   Superior Honors 4.00
   High Honors . . . . . 3.50 – 3.99
   Honors. . . . . 3.00 – 3.49

TESTING

Testing is an integral part of planning. Results help the school to aid the student in making appropriate choices with respect to career goals. A variety of evaluation opportunities are available.

The ACT (American College Test)

All students in the junior class will be required to take the ACT (with only exception being if a student qualifies for the DLM). Students will take the Wisconsin State ACT exam in the spring of their junior year. TheWisconsin State ACT will be administered at Florence High School.

This instrument is generally available six times during the year, at various sites throughout the state. It is an accepted college entrance exam to most universities nationally, including all colleges, universities and technical colleges in the state of Wisconsin. It is always important to check with each university or technical college for their specific entrance requirements. This test will provide the following information:

- Scores on your knowledge of four basic areas: English, Mathematics, Reading, and Science.
- A comparison of your scores with a national sample of other students' results.
- An indication of how students with scores similar to yours are progressing in post-secondary schools.
- Possible vocational choices based on your answers to a general interest survey.

The National ACT is typically administered on a Saturday, generally from 8am – 12pm. The National ACT is not administered at Florence High School.

The Armed Services Vocational Aptitude Battery (ASVAB)
This instrument is available to juniors during the spring of each school year. It is administered at the High School by the Civil Service but is not a direct military exam.

Civics Exam
Pursuant to Wisconsin Act 55 (2015), graduates of Wisconsin high schools are required to take and pass the Wisconsin High School Civics Exam with a minimum score of 65 of 100 questions correct. (Wis. Stat. sec. 118.33(1m)(a)1, Section 3266R). The test will be administered first at the end of US History II (sophomore year) and again during American Government (senior year).

Dynamic Learning Maps (DLM)
The DLM™ assessment measures the academic progress of students with the most significant cognitive disabilities in the subject areas of ELA and Mathematics at grades 3-11, Science at grades 4 and 8-11, and in Social Studies at grades 4, 8, and 10.

PreACT Secure
PreACT Secure is a summative assessment, aligned to the ACT test and the ACT College and Career Readiness Standards, that measures what students have learned in the areas of English, Reading, Mathematics, and Science. This is a new required state assessment starting Spring of 2023 for 9th and 10th grade students.

Wisconsin Forward Exam
The Wisconsin Forward Exam assessment will be administered in Social Studies in 10th grade.

COURSE FEES

A fee is charged for some courses to cover workbooks, materials, supplies, etc. Below is a listing of those courses along with the approximate fee:

Driver's Education	$350.00 behind-the-wheel
Metals (Beginning & Advanced)	applicable project fees
Woods (Beginning & Advanced)	applicable project fees
Plasma-Cam	$10.00/sq. ft. for applicable projects

ART DEPARTMENT

Introduction to Art
Grades: 9, 10, 11, 12
Credit: 0.5 (Semester 1 & 2, Class Limit 20)

Students will be introduced to art through four categories; creating, presenting, responding, and connecting. With an emphasis on art creation, students will explore a wide range of contemporary and historical art. 2-D art mediums may include but are not limited to: graphite pencil, colored pencil, charcoal, oil/chalk pastel, watercolor/acrylic paint, linoleum block printmaking, and collage. Sculptures will be created using materials such as paper, cardboard, wire, and clay. In art 1, ceramics will be created using handbuilding methods. Students will develop technical skills, foster their expressive abilities, and employ the use of the art elements & the principles of design. Portfolios and art critiques will be used to help students measure their artistic growth.

Drawing (1-4)
Grades: 9, 10, 11, 12
Credit: 0.5 (Semester 1, Class Limit 20)
Prerequisite: Passing grade in *Introduction to Art*

This course is designed for students who enjoy art and would like to increase their technical and observational drawing skills. Students will dive deeper into the techniques learned in Introduction to Art to create a variety of pieces using media such as graphite, charcoal, pen & ink, colored pencils, chalk pastels, and oil pastels. Contemporary & historical art themes will be studied and the student's body of work may include portraits, landscapes, perspective studies, and observational drawing studies. This class is intended to develop the creativity in each student, cultivate the imagination, inspire self-expression, and develop higher-level thinking skills. Portfolios and art critiques will be used to help students measure their artistic growth.

The Art of Craft: Jewelry, Mosaic, & Stained Glass
Grades: 9, 10, 11, 12
Credit: 0.5 (Semester 1 2025-2026, Class Limit 10)
Prerequisite: Passing grade in *Introduction to Art*

This is an advanced course for students with an interest in creating original jewelry, mosaic, and stained glass art pieces. Students will utilize and apply techniques such as knotting/beading, wire working, cutting/sawing, casting, soldiering, and enameling. Using the art elements and principles of design, students will communicate meaning in their art through creative risk-taking. Course topics will include exposure to & research of cultural, historical, and modern craft techniques & designs. Creativity and quality craftsmanship are emphasized. Students in the jewelry & glass art studio will focus on the use of safety procedures for process, media, and techniques. Portfolios and art critiques will be used to help students measure their artistic growth.

Painting (1-4)
Grades: 9, 10, 11, 12
Credit: 0.5 (Semester 2, Class Limit 20)
Prerequisite: Passing grade in *Introduction to Art*

In this course, students will further their exploration of the fundamentals of painting. They will use traditional and contemporary techniques and methodologies to showcase four core subjects; people, still-life, landscape, and non-objective work. Students will extend their skill in a variety of painting media such as watercolor, ink, gouache, encaustic, acrylic, and oil paint. Using the art elements and principles of design, students will communicate meaning in their art and develop their craft through creative risk-taking. Portfolios and art critiques will be used to help students measure their artistic growth.

Printmaking (1-4)
Grades: 9, 10, 11, 12
Credit: 0.5 (Semester 2 2025-2026, Class Limit 10)
Prerequisite: Passing grade in *Introduction to Art*

Students will learn techniques of fine art printmaking such as relief printing, monotype, intaglio, collagraph and collage. This course covers the distinctive nature of printmaking including: tools, inks, paper, plate preparation, registration, printing processes, and qualities of prints like overlays, transparency, offset, and multiple images. The goal is for students to gain the skills and confidence to produce multiple images by hand printing and on a press while exploring personal visual expression. Hand printmaking techniques will engage the student with problem solving in drawing, design and color. Students will be introduced to the work of artists and the history/tradition of fine art prints. Portfolios and art critiques will be used to help students measure their artistic growth.

BUSINESS EDUCATION DEPARTMENT

Microsoft Office 2016 NWTC (Word 10-103-121, PowerPoint 10-103-151, Excel 10-103-131)
Grades: 9, 10, 11, 12
Credit: 0.5 (one semester)

Students will be using one of business and industry's leading programs, Microsoft Office. This course is transcribed with NWTC in Microsoft Word, PowerPoint, and Excel. In addition to earning high school credit, students who earn a C or better on tests using the NWTC grading scale will also earn 1 NWTC credit in each course.

- ***Microsoft Word 2016***: **10-103-121** Students will learn how to format and edit various word processing documents.
- ***Microsoft PowerPoint 2016:*** **10-103-151** Students will learn how to create multimedia presentations with pictures, graphics, sound, and movies.
- ***Microsoft Excel 2016:*** **10-103-131** Students will use electronic spreadsheets to organize data and create useful financial reports and charts.

Students also have the opportunity to take a nationally recognized test for Word, PowerPoint, and Excel through Certiport that can lead to Microsoft Office Specialist (MOS) Certification.

Introduction to Accounting

Grades: 10, 11, 12
Credit: 0.5 (one semester)

Are you thinking about a career in business? Accounting is the "language of business". The accounting system is used to process and share information between businesses. You will be introduced to the rules that are the foundation of accounting. You will complete the accounting cycle for a service business organized as a proprietorship. These financial records teach us about the financial position of a business or company and help managers and owners make better business decisions.

Marketing Introduction

Grades: 10, 11, 12
Credit: 0.5 (one semester)

This course will introduce a basic understanding of marketing and selling. Topics include advertisement, placement of products, and clever pricing to meet a need. This course will cover a Marketing Review of your product/business to determine if a certain market has too much of your product. Come up with a strategy to keep selling and keeping your business running. It will also cover the basic supply and demand in the area. If you are interested in starting your own business, this is a good place to start.

Fab Lab-Introduction

Grades 9, 10, 11, 12
Credit: 0.5

Learn the basics of how to use the equipment in the Fab Lab:

3D Printers	Plasma Cam
Laser Engraver	Vinyl Cutter
Mini Mill	

You will be using various software and material to design and print final products.
One FHS motto is "Learning is required". This (Learning) is the foundation of the Fab Lab class. When making products you will:

- develop ideas
- solve problems
- build
- make mistakes
- take risks
- redo/remake
- ask questions
- communicate successfully

Personal Finance & Money Management
Grades 11, 12 (Required starting with class of 2028)
Credit: 0.5 (one semester)

Why do you need to know how to manage your money? An estimated 80% of Wisconsin students work while in high school. Nearly one-third of students have personal checking accounts and credit cards in their own names. Teens spend over $170 billion per year.

Lessons include: Budgeting & Saving, Choosing & Balancing a Checking Account, Managing Credit, Using Online Banking, Intro to Investing, Finding a Job, Renting & Renting with Roommates, Buying a Car, Shopping, Investing for Retirement (Employer 401k), Social Media and Health, and Insurance (Home ~ Auto ~ Life ~ Health).

Introduction to Web Design
Grades: 11, 12
Credit: 0.5 (one semester)

No previous experience needed! This is an introductory class and you will learn the basics of Web Development from the ground up. You will be able to create your own Web Page and decide what or if you want to share it with the world! You will have the creative ability to make it specifically your own, with your own style, fonts, pictures and colors. While doing all of that debugging your program, additional resources and teamwork are available throughout the course.

DRIVER EDUCATION PROGRAM

Driver Education
Age: turning 15 by August 31 of the year the class is held or earlier.
Offered: classroom-second semester before school, dates TBA, driving-throughout school year as instructor's schedule allows.

The driver education program at Florence High School is a two part program. First, students must complete 30 hours of classroom instruction, as required by the Department of Public Instruction and the Wisconsin Department of Transportation. Topics discussed in the classroom phase include, but are not limited to, driver attitude, driving environments, laws and regulations, driver safety, and alcohol/drugs and driving. Students will participate in activities and simulations to further their understanding of these topics. All students will also complete all written testing mandated by WiDOT.

Second, students will participate in a behind-the-wheel laboratory. The state mandates 6 hours of supervised driving with an instructor, and 6 hours of observing another student driver. This takes place over the course of six months; the minimum required time of possession for the instructional permit. During this course, students will practice basic driving maneuvers, specialized driving maneuvers, parking procedures, safe driving habits, and emergency response and maneuvers. During this phase, students must complete 50 hours of driving with a parent or guardian. 10 of the 30 hours must be performed at night. **Only students enrolled in Florence**

High School OR student-residents of Florence County who are home-schooled are permitted to take the behind the wheel component, per board policy.

Students wishing to take the summer course must be turning 15 on or before August 31st of the year the class is being held. Students may acquire their instructional permit once the course is completed, or once they turn 15 years old, whichever comes later. Note that all permits will not be issued at the same time. Also, if a student does not pass the required WiDOT testing, they must retake and pass the tests before they can acquire their instructional permit.

NOTE:
All students enrolled in the Driver Education course must pass all classes during the previous semester. If not, these students will be rescheduled into the following year. A student's attitude and behavior in school could affect taking or staying in Driver Education. Students will be scheduled in the behind-the wheel phase by age and available hours.

EMPLOYABILITY SKILLS

Employability Skills
Grades: 10, 11, 12
Credit: 0.5 (One Semester –offered semester 1 or semester 2)

Employability Skills is an introductory course that provides students with knowledge of the prerequisite skills for general employment as well as the means of obtaining those skills. You will learn business etiquette, communication skills, job search techniques, such as completing employment applications, preparing letters of application and resumes, and participation in mock interviews. These concepts will be reinforced by community guest speakers throughout the semester. Students will learn and apply basic knowledge of what is expected in the workplace and is helpful for all career pathways.

FAMILY and CONSUMER EDUCATION DEPARTMENT

Child Development
Grades: 10, 11, 12
Credit: 0.5 (2025-2026 School Year)

Child Development is a specialized course that prepares students to understand the physical, social, emotional, and intellectual growth and development of children. The course is designed to help young people acquire knowledge and skills essential to the care and guidance of children as a parent or caregiver. Emphasis is on helping students create an environment for children that will promote optimum development. Experiences such as laboratory observations, job shadowing, or laboratory participation may be included if opportunities are available.

Personal & Family Living
Grades: 10, 11, 12
Credit: 0.5 (2026-2027 School Year)*

Builds knowledge, skills, attitudes, and behaviors students will need as they prepare to take the next steps toward adulthood in today's ever-changing society. The focus is on becoming an independent, contributing, and responsible participant in family, community, and career settings. Topics include living independently and family formation; analysis of personal standards, needs, aptitudes and goals; integration of family, community, and career responsibilities; consumer choices and decision making related to nutrition and wellness, clothing, housing, and transportation; financial management; relationship of technology and environmental issues to family and consumer resources; and community roles and responsibilities of families and individuals.
*pending enrollment numbers

Parents and Children
Grades: 11, 12
Credit: 0.5 (2026-2027 School Year)*

Parenthood should be a conscious personal choice and both males and females should be aware of the rewards, responsibilities, and resources involved with parenting. The course will focus on parental readiness, prenatal care, childbirth, and child development. This course will introduce the developmental stages of children from birth through early adolescents. Students will develop awareness that parenting skills learned will help them establish a nurturing environment in the family while building strong parent relationships.
*pending enrollment numbers.

Career Foods
Grades: 9, 10, 11, 12
Credit: 0.5 (class limit 20, 2nd Semester 2026-2027 School Year)
Prerequisite: Passing grade in Beginning Foods

Career Foods explores career opportunities in food/hospitality service, the largest industry in the United States. Principles of restaurant management, customer service, table waiting, restaurant safety and sanitation, food preparation and presentation, graphic designing of menus, costing of menu items and other areas specifically related to food service are emphasized. Area chefs are invited to class almost weekly to share restaurant management practices and food preparation techniques with the students. Students will develop menus, prepare selected food items and serve restaurant-style food to an invited group of customers for a variety of occasions. This course is strongly recommended for those interested in working in food service occupations.

French Cooking
Grades 9, 10, 11, 12
Credit: 0.5 (class limit 20, 2nd Semester 2025-2026 School Year)
Prerequisite: Passing grade in Beginning Foods

French Cooking is a semester course designed to introduce students to the fundamentals of French cooking. Students will experience new tastes and learn classic techniques to prepare dishes traditionally considered feasible for only the sophisticated or professional cook.

Knowledge of how to use knives, an awareness of taste, with a love for well-prepared, good-tasting food that is nutritious and well-presented will be emphasized. Come with an adventurous attitude to try new tastes and flavors!

Family and Consumer Ed

Grades: 9, 10, 11, 12
Credit: 0.5 (class limit 20, offered by semester)

First Semester – Beginning Foods

This is a required course that must be taken prior to any other high school foods course. This class introduces students to the principles of safety and sanitation, the tools of a kitchen and basic food preparation skills in the different food groups. Students will gain kitchen experience preparing foods that are healthful, economical and delicious. Students may have the possibility of becoming Serv Safe Certified through this course.

Second semester – Beginning Sewing

Beginning Sewing introduces the student to the fundamentals of basic sewing practices. Students work towards creating a beautiful pieced quilt along with hand-sewing techniques for clothing repair and care. In the last five weeks, we will be studying the importance of family relationships. ***IMPORTANT NOTICE*** The sewing project will require the purchase of all materials to complete a quilt, with a cost of approximately $45-$75.

Introduction to Health Occupations

Grades: 9, 10, 11, 12
Credit: 0.5 (One Semester)

Introduction to Health Occupations is for students interested in a health related career like nursing, physical therapy, sports medicine, massage therapy, or dietetics. Students will learn about the skills and knowledge needed for a career in health care. Topics covered in this class include views of medicine, health care facilities, safety, medical terminology, legal and ethical responsibilities, personal characteristics, and medical math. Guest speakers will also share their personal experiences within different health related fields.

Advanced Foods

Grades: 9, 10, 11, 12
Credit: 0.5 (class limit 20, 2025-2026 School Year)
Prerequisite: Passing grade in Beginning Foods

This course builds upon the fundamentals learned in Beginning Foods. We more closely examine the basic principles of nutrition including macro and micro nutrients, work on advanced cooking methods and culinary techniques to add to your cooking skills. We will also spend time looking at food topics for students' futures like meal planning and grocery shopping. Plan is pending to transcribe courses with Northeast WI Tech College.

International Foods

Grades: 11, 12
Credit: 0.5 (class limit 20, 2026-2027 School Year)
Prerequisite: Passing grade in Beginning Foods

International Foods will travel the world through food. Be prepared to be adventurous enough to eat a lot of new and exciting foods as we experiment with different tastes and flavors than the usual American meal. In studying foods from other places, we promote the understanding of different cultures, traditions and lifestyles that exist around the world.

FOREIGN LANGUAGE DEPARTMENT

Spanish I
Grades: 9, 10, 11, 12
Credit: 1 (Year)

Intended for the college-bound student, Spanish I focuses on the student being able to perform various functions in Spanish and gaining proficiency on a basic level. Extensive oral work is required, expected and constitutes 30% of the grade. Extensive reading and writing are also required. Basic grammar structures are introduced within a cultural framework. Topics include: Meeting and greeting people, basic conversation, discussing likes and dislikes, identifying personal possessions, talking about family, etc. This course requires strong memorization, grammar, writing, and spelling skills, and successful students normally maintain a minimum B average in academic classes.

Spanish II
Grades: 10, 11, 12
Credit: 1 (Year)
Prerequisite: Spanish I

Emphasis is on the student being able to perform various functions on a more complex level with a higher level of proficiency as a goal. Extensive use of Spanish is expected. Students will read, write and speak in the target language. More complex grammatical structures are introduced within a cultural framework. Topics include: Ser vs. Estar, places vocabulary, stem changing verbs, common irregular present tense verb conjugations, talking on the phone, asking for information, making comparisons, etc.

Spanish III
Grades: 11, 12
Credit: 1 (Year)
Prerequisite: Spanish II

Emphasis is on the student becoming more proficient by being able to perform more advanced functions in the foreign language. Comprehensive review of all grammatical and functional topics presented in Spanish 1 and II. Extensive use of Spanish in the classroom is expected. Students will read more complex books, listening practice and practice discussion. Topics include: Talking about the house, chores, present progressive verb tense, conditional verb tense, the body, describing hurts, discussing daily routine with reflexive verbs, preterite vs. imperfect verb tenses, etc.

Spanish IV
Grades: 12
Credit: 1 (Year)
Prerequisite: Spanish III

Continuation of Spanish III. Extensive use of Spanish in the classroom is expected as students continue to master functions and to gain a higher level of proficiency.

LANGUAGE ARTS DEPARTMENT

English 9
Grade: 9
Credit: 1 (Year)

This course focuses on developing and reinforcing the basic English skills needed to fulfill the Common Core English/Language Arts Standards for the ninth grade. The course will include various forms of writing and different types of literature throughout the course of the year. Informative, creative, research-based, and persuasive realms of literature are both read and written by the students. Students will complete work independently, in small groups, and in full-class work and discussion. Journal writing and vocabulary enrichment are part of the full-year program, and grammar, mechanics, and usage are studied as a skill and are incorporated into students' daily assignments and writing assignments.

English 10
Grade: 10
Credit: 1 (Year)
Prerequisite: English 9

This course focuses on developing and reinforcing English skills needed to fulfill the Common Core English/Language Arts Standards for the tenth grade in preparation for English 11. The course will include various forms of writing and different forms of literature throughout the course of the year. Narrative, descriptive, research-based expository, and persuasive realms of literature are both read and written by the students with a focus on, but not limited to, American authors along with Shakespeare. Additional skills in grammar, mechanics, and usage are studied and employed. Vocabulary enrichment is part of the full-year program.

English 11
Grade: 11
Credit: 1 (Year)
Prerequisite: English 9 & 10

This course seeks to develop and reinforce those Basic English skills students will need in everyday life, college, the professional world, or at a technical school. English 11 is for the student who may want to attend a school beyond high school or may want to enter the job market. The course will focus on the common core standards and will be taught with great guidance and practice.

English 12
Grade: 12

Credit: 1 (Year)
Prerequisite: English 9, 10, 11

This course seeks to develop and reinforce those Basic English skills which students will need in everyday life, college, the professional world, or at a technical school. English 12 is for the student who may want to attend a school beyond high school or may want to enter the job market. The course will focus on the common core standards and will be taught with great guidance and practice.

Writing Foundations 100
UW Green Bay College Credit in High School
Grade: 12
Credit: 1 (3 college credits) (one semester)
Prerequisites per UWGB: ACT English Score of 17 or higher, 3.0 cumulative GPA or higher, and Instructor Approval.

Emphasis on writing as a process and on techniques used in academic writing. Also emphasizes essay structure, informative writing and persuasive writing. Locating, evaluating, integrating, and citing source material, including multimodal sources are also key course concepts. This course also reviews conventions of paragraph and sentence structure, punctuation, grammar, and usage; as needed.

MATHEMATICS DEPARTMENT

Algebra 1
Grades: 9, 10, 11, 12
Credit: 1 (Year)

This course is an introduction to Algebra. In includes the following units: expressions, equations and functions; solving linear equations; graphing linear equations and functions; writing linear equations; solving and graphing linear inequalities; exponents and exponential functions; polynomials and factoring; quadratic equations and functions, data analysis; probability.

Algebra 2
Grades: 10, 11, 12
Credit: 1 (Year)
Prerequisite: Algebra 1

This course is a continuation of Algebra 1 but with a greater in depth analysis of topics. Units include: quadratic functions and factoring; polynomials and polynomial functions; rational exponents and radical functions; exponential and logarithmic functions; rational functions; data analysis and statistics, sequences and series; quadratic relations and conic sections.

Calculus
Grade: 12
Prerequisite: Algebra 1, Geometry, Algebra 2, Pre-Calculus
Credit: 1 (Year)*

The limit process is studied extensively and the derivative is developed as a limit. The differentiation process is applied to problems involving maximum/minimum, linear and curvilinear motion (velocity and acceleration) and curve sketching techniques. Indefinite and definite integrals are studied as is the application to area under a curve, length of a curve, surfaces and volumes of revolution, hydrostatic pressure, work and centroids. Additional topics involve the Trapezoidal Rule and Simpson's Rule for approximating areas, Taylor and MacLaurin Series and first order separable differential equations.
*pending enrollment numbers

Statistics
Grade: 11, 12
Prerequisite: Algebra 1, Geometry, and Algebra 2
Credit: 1 (Year)*

Topics covered include sampling of data, population and sample groups, the normal distribution or bell shaped curve, measurements of central tendency (mean, median, mode), standard deviation, Z scores, and linear regression and correlation.
*pending enrollment numbers

Geometry
Grades: 9, 10, 11, 12
Credit: 1 (Year)
Prerequisite: Algebra I

A mathematics course that is centered on deductive reasoning. Geometry deals with lines, triangles, squares, rectangles, circles, and many other geometric figures.

NWTC Intermediate Algebra 10-804-118
Grades: 11, 12
Credit: 1 (Year) 4 college credits with a C or better
Prerequisite: College Credit: Algebra 1 and Geometry

This course is a transcribed credit. Students need to earn a C or better in a transcribed course to earn college credit. Grades earned in these courses are posted on the student's high school and college transcripts and become part of student's official college records. Transcribed credit is often transferrable to other colleges and universities. Students should check with their intended college or university for transfer policies. This class is a combination of topics from Algebra 1 and Algebra 2.

Pre-Calculus
Grades: 11, 12
Credit: 1 (Year)
Prerequisite: Algebra 1 & 2, Geometry

This course is intended to prepare the student for A.P. Calculus. Topics include Logarithms, Exponential Functions, Conic sections, and extensive study of Trigonometry (including unit circle, properties, inverses and applications).

Vocational Math A and B (A 31-804-304, B 31-804-305)
Grades: 11, 12
Credits: 0.75 (Semester) 2 college credits
Prerequisites: 3 math credits or Administration and Teacher Approval

Part A provides the opportunity for the learner to develop knowledge and skills to apply the concepts of whole numbers, fractions, decimals, measurement, proportions and percent to their career. Part B provides the opportunity for the learner to develop the knowledge and skills to apply the concepts of algebra, geometry and trigonometry to their career. This course is a transcribed credit. Students need to earn a C or better in a transcribed course to earn college credit.

Mathematical Reasoning 10-804-134
Grades: 11, 12
Credits: 1.0 (Semester) 3 college credits
Prerequisites: 3 math credits or Administration and Teacher Approval

This course provides an alternative pathway to earning credit for a college level liberal arts math course. All students need to be able to make reasonable decisions about fiscal, environmental, and health issues that require quantitative reasoning skills. An activity based approach is used to explore numerical relationships, graphs, proportional relationships, algebraic reasoning, and problem solving using linear, exponential and other mathematical models. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts. This course is a transcribed credit. Students need to earn a C or better in a transcribed course to earn college credit.

MUSIC DEPARTMENT

Concert Band
Grades: 9, 10, 11, 12
Credit: 1 (Year)

Prerequisite: Previous instrumental music experience or permission of instructor
The focus of the Florence High School Band is music education, music appreciation, and music performance. Concert Band places an emphasis on the understanding and appreciation of musical concepts and techniques, enabling students to develop the necessary skills to become proficient performers on their instrument. Students in Concert Band will explore a varied repertoire of musical literature and may have the option to perform on multiple instruments. Students are required to perform at two concerts each year and will have other opportunities to perform, such as marching for football games, marching in parades, and playing pep band for home volleyball and basketball games. Students with school sporting conflicts and other extracurricular activities can still participate in band and receive credit.

Chorus

Grades: 9, 10, 11, 12
Credit: 0.5 (All Year – Day 1)

The High School Chorus sings a variety of music throughout the school year. Members of the chorus are required to perform at the Christmas Concert, Spring Concert and the WSMA Music Festival. The chorus performs for many community groups throughout the year. Students in the chorus may participate in the Solo and Ensemble Contest and are eligible to audition for the Show Choir.

Over the course of each year, supplementary assignments may be given to ensure that all concepts in the curriculum are being covered.

Choir, Show
Grades: 9, 10, 11, 12
Credit: 0.5 (All Year – Day 2)
Prerequisite: Member of chorus **and** audition. Students must maintain a "B" average or higher in Concert Choir and Show Choir. Any student with a semester grade of B- or lower will need to re-audition for placement in the following semester.

Show Choir meets every other day opposite of chorus, and also meets outside of the school day if and when extra rehearsals are necessary. The Show Choir performs at District and State Solo/Ensemble Festival, and for community organizations when invited to do so.

Directed Student
Grades: 12
Credit: 0.25 (One Semester)
Prerequisite: must be enrolled in band and/or choir along with instructor approval

This course is designed to give students who are interested in music as a career an opportunity to further explore different musical topics. It is designed around the student or students who are taking the class and their specific needs as a future music educator, performer, or audio engineer. Topics that can be covered include, but are not limited to:

- Podcast (preparing for, hosting, and producing the student led podcast the *Florence BobCAST*)
- Conducting and Rehearsal Techniques (learning basic conducting skills and preparing a piece for performance with one of the bands)
- An introduction to Audio Engineering (understanding computer software, setup of audio equipment, recording and editing and ensemble performance)
- A Career in Performance (learning effective practice routines, learning to prepare music in a short time, and preparing for solo performance)

The culmination of this course will be preparing episodes of the podcast, a written exam, conducting a piece with one of the bands, producing a CD, or presenting a short solo recital. **All enrolled students must also complete either the Odysseyware Music Theory course or Odysseyware Music Appreciation course.**

PHYSICAL EDUCATION / HEALTH

In compliance with state law, every student is required to take 1½ credits of physical education prior to graduation. Florence High School encourages students to take physical

education in 9th, 10th and 11th grade. Students should plan one of the two options to attain these credits:

2 semesters of General PE and 1 semester of Strength and Conditioning
3 semesters of General PE

Physical Education
Grades: 9, 10 11, 12
Credit: 0.5 (One Semester)

During the semester of study the student will be exposed to a variety of sports, fitness activities and recreational activities that can enhance and maintain a healthy lifestyle. The units will reinforce the skills and information presented in previous activities in earlier grades. Emphasis will be placed on good sportsmanship, skill advancement and fitness enhancement. Included in the course is instruction on nutrition, good health habits, various forms of fitness programs and the proper use of exercise equipment. More detailed information on various sports, recreational and fitness activities at the higher level of play. Emphasis will also be placed on character development of the student through adventure activities that will include initiative activities and team building activities.

UNIFORMS
All students are expected to dress each class in a physical education school uniform. Florence School District will issue a uniform in 7th and 9th grades if uniform is lost replacement is student's responsibility. Please note the following requirements:

- White t-shirt will be required under the reversible top for all females.
- Clean non-markable athletic shoes (everyday shoes will not be permitted)
- Outside clothing for cool weather: sweatshirt and sweatpants

Physical Education Opt. Out
Grade: 12
Credit: 0.5
Option for Students Meeting Physical Education Requirement

Students may complete an additional one-half credit, beyond the graduation requirements, in English, Social Studies, Mathematics, Science, or Health Education in lieu of one-half credit of Physical Education when they participate in a WIAA - sanctioned sport as part of the district's athletic program. Participation in the sport itself does not constitute a course and does not qualify for any high school graduation credit.

The following criteria has been set for a student's participation in a sport to be eligible for substituting an English, Social Studies, Mathematics, Science, or Health Education course for one-half credit of Physical Education:

1. The student must have completed 1.0 credits of Physical Education
2. A required course for graduation will not count as a substitution.
3. The student must participate in a Junior Varsity or Varsity level sport for an entire season during grade 11 or the fall semester of grade 12.
4. The student must submit a WIAA Sport Completion Verification form to the building principal no later than two weeks following the conclusion of the season.

5. The student must not have been out for more than two weeks of the season due to injury or illness during the sport season. The student must fulfill the .5 credit by participating in an alternative Physical Education curriculum to be determined by the Physical Education teacher and Principal, or designee. They may also take .5 credits in Physical Education during the next semester.
6. The student must not have had any violation of the Co-Curricular Code resulting in a suspension of one or more competitions during the sport season.
7. The student must complete the season in good standing.

Strength & Conditioning
Grades: 11, 12
Credit: 0.5 (One Semester)
Prerequisite: 1 credit of Physical Education

This course is designed to offer our students a Physical Education credit that goes beyond the basic physical education course. This activity will provide our students with the opportunity to improve self-esteem, self-concept and expose them to lifelong activity for fitness. Class activities will include strength training, agility, plyometrics, flexibility, coordination, balance, and safety awareness. Students will be assessed on exercise and spotting techniques, adherence to safety rules and procedures, overload principles, progression, and specificity.

Health Education
Grades: 9
Credit: 0.5 (One Semester)

In this course, students learn that good health habits can prevent illness. But, more importantly, they also learn that good health habits can improve the way they look, the way they perform in school, work and sports, the way they interact with others, and the way they feel about themselves. Throughout the course, students participate in simple experiments, self-inventories, and projects that help them learn how to make healthy choices in all areas of their daily lives.

SCIENCE DEPARTMENT

Biology
Grades: 10, 11, 126
Credit: 1 (Year)
Prerequisite: Physical Science

Biology is the study of living things and how they function. This course will explore the chemistry of living things, the cell and its functions, photosynthesis and respiration, the relationship between cell division, DNA and genetics, evolution and the environment. Biology is designed for students who plan to attend college or technical school. It is an in depth study that will prepare students for advanced work in science. This course is a prerequisite for Human Physiology and Environmental Science.

Chemistry 1
Grades: 11, 12
Credit: 1 (Year)
Prerequisite: B or better grade in Physical Science, Biology and Algebra 1.

Students must be highly motivated, satisfy prerequisites and be proficient in algebra to be successful in the course. Chemistry I is a full year rigorous science course for the college bound student. The course utilizes algebra concepts to solve problems involving quantitative chemical relationships. It includes a detailed study of atomic structure, Quantum Theory, the periodic nature of elements and chemical reactions. Advanced laboratory investigations are conducted on a regular basis.

Chemistry 2 – Possible Distance Learning

Grades: 12
Credit: 1 (Year)
Prerequisite: C or better grade in Chemistry 1

This course is a continuation of Chemistry 1, covering more advanced concepts and is intended for students who wish to continue their education in the sciences after high school. A large amount of time is devoted to laboratory investigations, which reinforce learned concepts and serve as helpful preparation for the college setting. Two years of chemistry are recommended for the college prep students planning a science related career.

Physics – Distance Learning

Grades: 11, 12
Credit: 1 (Year)
Prerequisite: B or better in Physical Science.
Chemistry 1 is strongly recommended and is the usual precursor to Physics.

Physics is strongly recommended for the college bound student seeking a career in the sciences, medicine, engineering, math, architecture or related fields. The course is broken down into four major areas of study, including mechanics and heat, wave motion, electricity and magnetism, and nuclear and particle physics. Basic algebra and trigonometry skills are used to solve problems and critical thinking and reasoning are emphasized. Laboratory investigations are an important component of Physics.

Human Anatomy and Physiology

Grades: 11, 12
Credit: 1 (Year)
Prerequisite: B or better in Biology/Human Physiology

This course provides a comprehensive study of the anatomy and physiology of the human body. Topics include body organization; homeostasis; cytology; histology; as well as a study of major body systems and special senses. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships. Laboratory work includes dissection of preserved specimens, microscopic study, physiologic experiments, computer simulations, and multimedia presentations.

Science, Environmental

Grades: 11, 12
Credit: 1 (Year)
Prerequisite: Biology

Environmental Science will prepare students to make informed decisions on environmental issues facing the planet, and to act on them responsibly. Topics to be covered include ecosystem dynamics, human impacts on the planet, and sustainability of our natural resources, particularly those in Wisconsin. In collaboration with the Florence County UW-Extension and agencies housed in the Florence Natural Resource Center, students will participate in unique off-site learning workshops and field trips that explore the natural resources here in Florence County.

Science, Physical
Grades: 9 required
Credit: 1 (Year)

Physical Science focuses on the fundamental laws of nature, units of matter, types of chemical reactions, concepts of force and motion, and forms of energy. Basic math skills are applied to solving scientific problems. Laboratory experiments and hands-on activities are strong components of Physical Science.

SOCIAL STUDIES DEPARTMENT

Civics Exam
Graduation requirement

Pursuant to Wisconsin Act 55 (2015), graduates of Wisconsin high schools are required to take and pass the Wisconsin High School Civics Exam with a minimum score of 65 of 100 questions correct. (Wis. Stat. sec. 118.33(1m)(a)1, Section 3266R). The test will be administered at the start of American Government (senior year).

U. S. History I
Grade: 9 required
Credit: 1 (Year)

U.S. History I begins with a review of the early colonization and exploration of the United States and ends with the post Civil War era and industrialization. Specific periods include early Colonial America, American Revolution/Early National period, Sectionalism and the Expanding Nation, the road to Civil War and Reconstruction, and Industrialization. Students will know and understand these periods and the relationships among them.

U. S. History II
Grade: 10 required
Credit: 1 (Year)

U.S. History II begins around the time of Industrialization and finishes in the Modern Era. The course will cover social, economic, political, and historical aspects of major events within the periods of Growth of Industrialization and Urbanization, WWI and Emergence as World Power, Prosperity and Depression and the New Deal, WWII-Cold War Conflict, Prosperity and Equal Rights (1945-present). Students will know and understand these periods and the relationships among them.

World History
Grade: 11 required
Credit: 0.5 (One Semester)

This course surveys the foundation of world history through the present. The focus of the course is on the culture and interaction of humans throughout history and their contributions to civilization. The semester covers multiple world religions, expansion and centralization of power, and the early modern world. Attention is given to global unrest and revolution, along with global encounters, industrialization, and imperialism. World wars and the global interdependence of the contemporary world will round out the course.

Government, American
Grade: 12 required
Credit: 0.5 (One Semester)

This course concentrates on the functioning of the various governmental units within the United States. Included in the course of study are the following areas: history of political principles, governmental processes, political parties, constitutional principles, The Bill of Rights, Congress, the Supreme Court and the Presidency. Interest groups, propaganda devices, civil liberties, voting practices and a comparison of the United States government and other nations are also examined. Students explore the central ideas that are essential to becoming an educated United States citizen.

Psychology 102: Introduction to Psychology
UW Green Bay College Credit in High School
Grade: 12
Credit: 1 (3 college credits) (one semester)
Prerequisite: High School Cumulative GPA or 2.8 or higher

Understanding of behavior from psychophysiological, cognitive, social and clinical perspectives; important issues, methods and findings in the study of the psychological process.

WORK BASED LEARNING

Business Internship/Youth Apprenticeship
Grade: 12
Credits: 2 credits for 15 hour work week/1 credit for 10 hour work week

This program is designed to provide seniors with practical workplace experience and training in one of three vocational areas:

- Business Education
- Family & Consumer Education
- Technical Education

Students will be placed in a position within a local business. All students participating in the program must exhibit a strong work ethic. Students will interview for the positions available and will be placed into the program if hired. Students are responsible for transportation to and from

the workplace. Students will earn one credit per year for ten hours of work per week; students will earn two credits per year for fifteen or more hours of work per week.
Prerequisite:

- Foundational courses in Business Ed., Family & Consumer Ed., or Tech Ed. to prepare for the experience.
- Recommendation from the foundational course instructor.
    - Business Education
    - Family & Consumer Education, Ms. Mohelnitzky
    - Technical Education
- Fewer than ten absences during the student's junior year.

Use the form below when registering.

<table>
<tr><th colspan="2">BUSINESS INTERNSHIP RECOMMENDATION
FROM THE FOUNDATIONAL COURSE INSTRUCTOR</th></tr>
<tr><td colspan="2">Student Name:</td></tr>
<tr><td>Vocational Area of Interest for Internship: (check one)</td><td rowspan="3">This student has met the necessary prerequisites and has my recommendation for enrollment into the Business Internship program. He/she has the foundational skills and work ethic to be successful in an internship. Final placement into the program will be determined through the interviewing process.</td></tr>
<tr><td>Business Education:
□Administrative Support</td></tr>
<tr><td>Technology Education
□Welding
□Automotive
□Building Trades
□Computer-Aided Design</td></tr>
<tr><td rowspan="2">Family & Consumer Education
□Child Care
□Food Service</td><td></td></tr>
<tr><td>Teacher's Signature</td></tr>
</table>

Internship Eligibility Guidelines:

- No more than a combination of 10 absences and/or tardies from school during the second semester junior year (2022-23 Only). Starting 2023-24, it will be for the entire school year.
- Students will earn 1 credit for working 10 hours/week and 2 credits for working 15 or more hours/week
- Have the number of credits needed for senior status and not be credit deficit.
- One or more recommendations from a teacher that reflects your academic initiative and strong work ethic.
- Completed resume and cover letter; one printed copy and one electronic copy.
- Submit a copy of the cover letter, resume, and recommendation to Mr. Jerue by _____.
- You are responsible for taking your cover letter, resume, and recommendation to the business.
- If you are interested and meet the requirements, please talk to Mr. Jerue to check on availability of Internship

Internship FAQ:

- If there is a snow day, are you expected to work? **No, but you may if your employer approves it.**
- If there is no school (vacation, early release, etc.) or a school function, are you expected to work? **To avoid misunderstandings and disappointments later, you should be aware that on days when school is not in session but your employer's business is open, you are expected to work at least your regular hours (Thanksgiving, Christmas and Easter vacations). In some cases, your employer could use the extra help of your being there <u>all</u> day, so a few days before each of those non-school days, you should make your employer aware that you could work the whole day.**
- If you call in sick to school, are you expected to go to work? **No**
- Should appointments be made during internship time? **No**

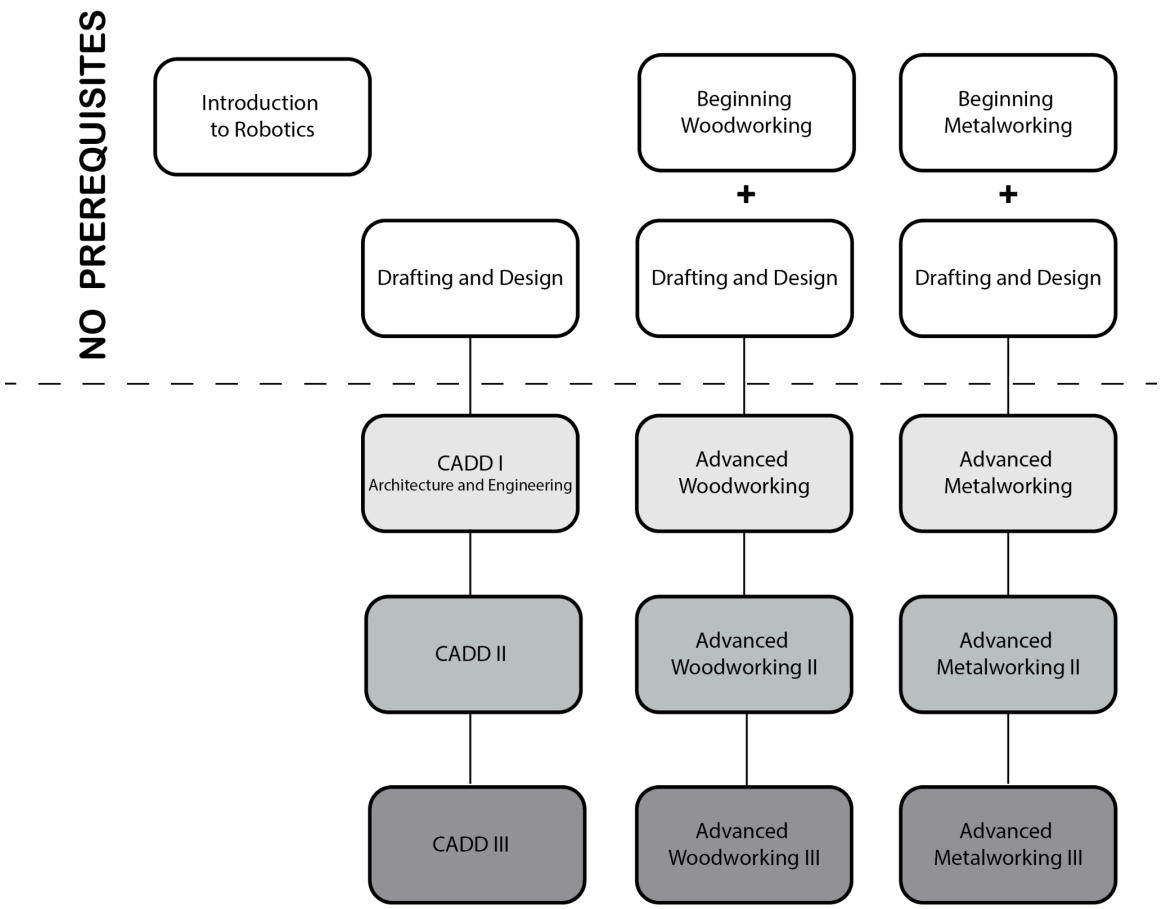
STUDY HALL

Study Hall
Grade: 12
Credits: 0

The following criteria must be met to register for a study hall:

- Student must be a Senior
- Student must currently be enrolled in at least one Post-Secondary Class
- Student must currently be on track to graduate with at least 27 credits
- Student must be enrolled in at least 1 credit in excess of the required graduation credits in the areas of Math, Social Studies, Language Arts, or Science. Examples would be a 4th credit of Science or a 4th credit in Math.

TECHNOLOGY EDUCATION DEPARTMENT



Drafting and Design
Grades: 9, 10, 11, 12
Credit: 0.5 (Semester)
(Max 17 students, 17 stations in lab)

Drafting and Design is a one semester course introducing students to the top of design and technical communication. Students will explore the necessary skills required to design and communicate project plans along with exploring the basics of Computer Aided Design. Topics of study include print reading, woodworking or metalworking project plan creation, mechanical design, and architectural drafting. This class is a must for any student interested in a career in engineering, design or building trades.

CADD I - Engineering and Architecture
Grades: 10, 11, 12
Credit: 1 (Year)

Prerequisite: Drafting & Design

CADD 1 - Engineering and Architecture is a first year computer-drafting and design course that will introduce the student to the concept to design concepts common in Engineering and Architecture using Computer Aided Drafting and Design (CADD). The first semester students will focus on problem solving and the design process using Fusion360. Students will use CAD models to run Lasers, CNC Routers, and 3d printers. The second semester will consist of learning the basics of Autodesk Revit along with the basics of Architectural Design through building a Dream Home. This is a "must have" class for any student looking at a future career in construction, design, engineering, drafting, architecture or other trades.

CADD II
Grades: 11, 12
Credit: 1 (Year)
Prerequisite: *CADD I - Engineering and Architecture*

Students will choose a pathway to pursue either in the field of engineering or architecture to further their knowledge in Computer Aided Drafting and Design (CADD). This class will be project and problem led as they learn either Fusion360 or Revit to a more advanced degree. Interested students may attempt to earn industry recognized certification in the program of their choosing.

CADD III
Grade: 12
Credit: 1 (Year)
Prerequisite: CADD II

This Capstone Course in Computer Aided Drafting and Design (CADD) will allow students to take on a challenging project to generate a design for. Students will choose a pathway to pursue either in the field of engineering or architecture to further their knowledge. Students will continue their education in the functions of either Fusion360 or Revit to a more advanced degree. Students will be encouraged to earn industry recognized certification in the program of their choosing. Emphasis will be on advanced 3D modeling, rendering, mapmaking, landscape design, etc. Course work will include a number of activities in each of these.

Introduction to Robotics
Grade: 9, 10, 11, 12
Credit: 0.5 (semester)

This course is designed to introduce students to basic electronics and robotics skills through work with arduino based robotics activities. Students will learn the basics of soldering, creating circuits, block programming and problem solving strategies. Topics may include motor control, gear ratios, torque, friction, sensors, timing, program loops, logic gates, decision-making, timing sequences, propulsion systems and binary number systems.

Metals, General
Grades: 9, 10, 11, 12
Credit: 0.5 (1 semester)
(Combination of Beginning and Advanced Metals classes is 18 students maximum)

The first semester is structured to introduce the student to the basic knowledge and skills necessary to set up and operate metal cutting (machine tool), metal fabricating (welding), and bench work (hand tool) activities. The focus is on proper safety, terminology and skill practices. Students are required to take drafting 2nd semester if planning to take advanced metals.

Metals, Advanced
Grades: 10, 11, 12
Credit: 1 (Year)
(Combination of Beginning and Advanced Metals classes is 18 students maximum)
Prerequisites: Gen. Metals, Drafting and Design

In the first semester of advanced metals the student will learn skill activities and metal theory that will build on the basic skills and practices learned in General Metals. There are required skill activities in the following areas: all position gas and arc welding, TIG welding, spray arc welding, steel and aluminum MIG welding, plasma cutting and advanced lathe turning. The second semester focuses on a higher level of Wrought Iron Express activities. The student will learn how to research and develop a quality proto-type, design and build fixtures for product manufacture and assist with manufacture fabrication.

Metals, Advanced II
Grades: 11, 12
Credit: 1 (Year)
Prerequisite: Advanced Metals

In Advanced Metals II the students will apply the skills and knowledge they learned in general and advanced metals to mentor both general and advanced metals students. In addition, students will learn metal fabrication techniques that are standard in the manufacturing world.

Metals, Advanced III/Independent Study
Grades: 12
Credit: 1 (Year)
Prerequisite: Advanced Metals II

Metals III students will advance all the skills learned in metals 1 and 2. Advanced techniques in arc, mig, tig and gas welding will be covered along with advanced skills on the plasma-cam.

Students will design and construct more complex projects as well as model skills for the younger students.

Woods, Beginning
Grades: 9, 10, 11, 12
Credit: 0.5 (Semester)
Beginning Woods is a one semester course designed to introduce the student to the woodworking industry. Students will be exposed to a number of woodworking procedures, machines, hand tools, safety and problem solving skills. Students will be involved in the construction of a number of projects using these learned skills. Joiners mallet, small boxes, turned wooden pens, simple cnc router projects, laser engraving and carving projects are some of the optional and required projects. Students are required to take drafting 2nd semester if planning to take advanced woods.

Woods, Advanced
Grades: 10, 11, 12
Credit: 1 (Year)
Prerequisites: C average in Beginning Woods, Drafting and Design

Advanced Woods is a class designed to introduce the student to woodworking methods used in fine woodworking and cabinetmaking. Advanced machine operations will be used as students build 2 small required projects as well as plan and construct a larger project of their choice. Students also have the opportunity to work with cnc routers, laser engravers, wood veneers and inlays and explore activities in wood lamination, carving and refinishing.

Woods, Advanced 2
Grades: 11, 12
Credit: 1 (Year)
Prerequisite: Advanced Woods

Advanced Woods 2 is a one year course where students will increase their knowledge of fine woodworking and cabinetmaking skills. Advanced joinery, lathe turning and construction techniques are part of the many topics to be covered. Projects are determined by students. Projects in the past have included beds, hutches and curio cabinets as well as smaller cabinets.

Woods, Advanced 3
Grades: 12
Credit: 1 (Year)
Prerequisite: Advanced Woods 2

Advanced Woods 3 continues to build on students' advanced woodworking skills. Wood laminations, refinishing, advanced laser and cnc work are part of the many subjects covered in this one year course. Projects are determined by students with a focus on challenging their woodworking skills. In the past students have built projects such as dressers, fishing nets, electric guitars as well as small complicated projects like jewelry boxes.

Woodland Regional Technical Academy
Start College Now!

Healthcare Customer Service Representative: **(Classes include: Medical Terminology, Contemporary Healthcare Practices, Digital Literacy for Healthcare. and EMT which is offered every other year.)** Learn to provide excellent customer service in a health care setting. You will be instructed on how to not only meet but to exceed customer needs. All courses in this certificate may be applied toward the Medical Assistant technical diploma program.

General Studies: **(Classes include: College 101, Oral/Interpersonal Communication, Intro to Ethics: Theory & App, Intro to Diversity Studies, Basic Anatomy, Intro to Psychology, Abnormal Psychology, Developmental Psychology, Intro to Sociology)**

Entrepreneurship: **(Classes include: Marketing Principles, Business Principles)**
No one has your passion. It's more than being your own boss. It's living your purpose. You've got a spark inside you. To build your own small business, or maybe to manage someone else's startup. The Entrepreneurship Certificate is a series of credit courses targeted to educate learners about the opportunities and essence of entrepreneurship and how to start, run, and manage profitable businesses.

American Sign Language:
Relating to the deaf culture including non-manual grammatical markers. signing, fingerspelling, classifying and the technology related to deafness.

Early Childhood Education: Child Development
This 3 credit course examines child development within the context of the early childhood education setting. This course focuses on Children ages 3-8 years of age.

Public Safety: **(Classes include Introduction to Law Enforcement and Private Investigation Tactics)**

College of Business: **Social Media Marketing**
Explore the current state of social media and provide perspective on trends moving forward. Learn about the opportunities social media provides, what interactions mean for a business and how communication has changed. A strategic plan will be developed to understand the needs of social media marketing campaigns through research, discovery, and thoughtful content creation.

Dickinson Iron Tech Center

Automotive Technology – NATEF Maintenance and Light Repair – Block 1, 2, & 3
Prerequisite: None
This program follows National Automotive Technicians Education Foundation (NATEF) standards for Maintenance and Light Repair. During the two-year program, students will learn shop and personal safety, tools and equipment, preparing vehicles for service and workplace employability skills. The program is broken down into modules to develop a general knowledge and understanding of the following topics: Shop Safety, Braking system, automatic and manual transmissions, HVAC systems, Engine Repair, Engine Performance, Suspension and Steering, Electrical systems. Upon completing the two-year program students will have the base knowledge to pursue further education in the auto repair industry.

Articulated credit available.
Certifications: NATEF MLR

Automotive Technology III
Third course of study is open to students with permission of the instructor and Tech Center Principal. Students may engage in advanced study on one of the eight areas of Automotive Licensing. Students may also be placed in a workplace learning site.

Computer Networking and Security, I – Block 1 & 2
Prerequisite: None
This course aligns with the college curriculum in Networking and Cyber Security. It will introduce students to computer concepts in personal computer hardware and software, internet, security, networks and ethics. Students will learn how to use computer technology for professional and personal use and the skills needed to install, configure, and service hardware, operating systems, and applications. Students will also learn to configure a stand alone or networked computer for reliability and security.

Articulated credit available.
Certifications: A+ Certification
Up to 8 Bay College Credits available.

Computer Networking and Security II – Blocks 1 & 2
Prerequisite: B or better in Computer Networking and Security I or Instructor Permission.
This course validates the knowledge and skills of networking professionals. It is a vendor-neutral certification that recognizes a technician's ability to describe the features and functions of networking components and to install, configure and troubleshoot basic networking hardware, protocols and services. This course continues building upon students' knowledge in computer networking and communication. It provides theoretical knowledge exploring both the hardware necessary to support computer networks and the software needed to utilize and secure those networks. Students will have hands-on

training in designing, installing, and managing network devices. This includes Basic network topologies, network protocols, and local and wide-area networks. They will learn to troubleshoot problems across networks. Major topics include principles of Wide Area Networks, IP and TCP, routers, routing protocols and configurations, virtual LANs, network management, subnetting, design of LANs and WANs, and security issues. Students completing this course will prepare to take entry level certification exams.

Students in this class are expected to compete in BPA in Computer Networking or Cisco Administration.
Articulated credit available.
Certifications: Network+ and CCNA, Route/Switch
Up to 8 Bay College Credits available.

Computer Networking and Security III
Third course of study is open to students with permission of the instructor and Tech Center Principal. Students may engage in advanced study working toward CISCO and other Industry certifications. Students may also be placed in a workplace learning site.

Students interested in Information Technology should consider the ***Dickinson-Iron Technical Early College program***. For more information see page 11.

C++ and Creation with Unreal Engine – Block 3 only
Prerequisite: Algebra I
This one-year course will utilize game programing to develop the core skills needed to begin coding with the C++ or C# formats which are the two most popular programming languages used by professionals. Student's skills will be challenged by creating progressively complex games. The course will culminate with students creating one ambitious game project which will test their creativity and mastery of the curriculum. There are numerous lucrative employment opportunities for computer and gaming programmers. Students who continue their education in this area will benefit from the foundation this course provides as they prepare to acquire valuable certifications such as: CLA: C Programming Language Certified Associate, CPA: C++ Certified Associate Programmer, CPP: C++ Certified Professional Programmer.

Articulated credit available.

Construction Trades I & II – Blocks 1, 2 & 3
Prerequisite: None
This course provides students with a wide variety of hands-on experiences, all related to the multi-faceted construction industry. Students have opportunities to use a wide array of power and hand-held tools. Students will be able to learn and practice rough and finish carpentry; basic plumbing and electrical installation; insulation, drywall hanging and finishing; building codes and laws; and general construction safety inside our new Trades Center. Students will be able to practice on the grounds of the Tech Center leveling and

layout instruments; proper installation techniques of both concrete flat work and masonry. Students will learn workplace safety, how to read architectural drawings, construction materials, construction tools and equipment, common construction practices, codes and laws, heavy equipment/civil construction techniques, and construction business management. Students in their second year will have the opportunity to be involved in work-based learning to enhance their skills in different trades. Students are prepared for entry-level employment skills in the construction field, entering a trade school apprentice program and for participation in post-secondary construction related programs such as construction management, construction engineering, architecture or becoming a licensed contractor.

Articulated credit available.
Certifications: OSHA10, Carpenters International

Construction Trades III
Third course of study is open to students with permission of the instructor and Tech Center Principal. Students may engage in advanced study working toward pre-apprenticeship training in a construction related field or work toward a state license exam. Students may be placed in a workplace learning site.

Education Careers I –Block 1, 2, & 3
This course will introduce the student to the profession of teaching. It will allow students to explore and make informed decisions regarding a career in education. Students will be exposed to the process and choices necessary to become teachers; the challenges and opportunities of teaching; educational thought and history; and the organization, control, supervision, financing, and other aspects of American education. Students will assist a mentor teacher for hands-on experience to gain knowledge and an understanding of the field of education from a teacher perspective while enhancing communication skills by working with early childhood, elementary and/or middle school students. Working alongside a professional educator as a Teaching Assistant intern will help solidify your career goal before leaving high school. A criminal background check and TB test may be required.

Credentials: Child Development Associate or Michigan Youth Development Associate
Dual Enrollment Credit may be available

Education Careers II –Block 1, 2, & 3
Prerequisite: Education Careers I
This course is for students interested in pursuing a career in education after high school. It is an introduction to the application of psychological principles and research to teaching and learning. It will expose the student to the processes of teaching and learning from the constructivism, social cognitive, cognitive, and behavioral perspectives. The study of teaching and learning is an integral part of the preparation of those who will become teachers. Understanding the development of the student, diversity, learning,

motivation, classroom management, and instruction will make a teacher more effective and the student a better learner. Classroom field experience is an integral part of the class and a criminal background check and TB test may be required. Additional requirements may be necessary depending on the work site. Successful completion of Careers in Education 1 with a C or higher is required.

Dual Enrollment Credit may be available

Students interested in Education should consider the Dickinson-Iron Technical Early College program. For more information see page 10.

Health Occupations – Core – Blocks 1 & 2

Prerequisite: None

Health Occupations at the Technical Education Center provides students with a core of medical theory and skills needed to enter the healthcare profession. Core tasks that all students study include: medical ethics, safety, asepsis, body structure and function, assessment, vital signs, communication, emergency procedures (including CPR certification), transporting/transferring/ambulating/positioning, nutrition, hygiene/personal care/comfort, basic medical terminology, medical math and career exploration. Students will experience work-based learning/clinical experiences that are completed in nursing homes, hospitals, and private health care offices throughout our community. Students are responsible for their own transportation to and from clinical sites (in some cases existing bus routes may be utilized). This course prepares students both for entry-level job positions and college programs. Students enrolling in this course are required to under-go a background check to verify their eligibility to participate in clinical placements and/or to pursue a career in the health field. In addition students must provide proof they are free of active tuberculosis (recent TB test) and have up to date immunizations. Some facilities now mandate, prior to clinical placement, students receive a full drug screen. If required, the cost of drug screens and background checks will be covered by the Technical Center. Dual enrollment credit is available to students who enroll with Bay College. Specific criteria must be met to earn this credit.

Articulated credit available.
Certifications: CPR, First Aid
Bay College Credits available

Health Occupations – Medical Terminology – Block 3

Prerequisite: None

Health Occupations – Medical Terminology at the Technical Education Center is a college level body systems medical terminology course. Medical terminology is required to interact and function clinically in the healthcare field. This course is designed to provide a thorough investigation into suffixes, prefixes, and word components. Students will be able to utilize medical terminology as it relates to anatomical structures, pathophysiology and the general healthcare field. Dual enrollment credits are available to students who register with Bay College. Specific criteria must be met to earn these credits.

Articulated credit available.
Bay College Credits available

Health Occupations III
Third course of study is open to students with permission of the instructor and Tech Center Principal. Students may engage in advanced study working toward a specific health care certification. Students may also be placed in a workplace learning site.

Mechatronics I Block 1& 2 Mechatronics II – Block 3
Prerequisite: None
As the demand for technically trained engineers, industrial maintenance, and trades people grows, opportunities for high paying careers are unlimited. Manufacturing growth and retirement have created steady growth of high paying careers. This course will prepare you for these careers with state-of-the-art trainers to teach you technical skills. These skills include wiring an electrical panel, aligning a mechanical system with motors, shafts, belts, chains and gears, setting up and operating pneumatic and hydraulic systems, wiring for power distribution, programming Programmable Logic Controllers and FANUC robots, and designing and cutting on computerized CNC machines. There are visits to local industry and student competitions. Credential opportunities include OSHA 10 safety training, along with industry recognized credentials and post-secondary education. This course also offers Early Middle College and dual enrollment opportunities. Students from this course are successfully entering the manufacturing industry as engineers, technicians and trades, as well as the military.
Articulated credit available.
Up to 12 Bay College Credits available.

Mechatronics III
Third course of study is open to students with permission of the instructor and Tech Center Principal. Students may engage in advanced study including Mechanical Drives, Level 2 PLC training, wiring with low voltage. Students may also be placed in a workplace learning site.

Students interested in Mechatronics should consider the Dickinson-Iron Technical Early College program.
For more information see page 10.

Marketing I – Blocks 1, 2, & 3
Prerequisite: None
This is an innovative course designed for students with an interest in marketing and advertising. Instruction will include an introduction to the fundamental marketing concepts through a variety of marketing topics and activities. There will be a strong emphasis on employability skills and communication in the workforce. Students will learn how products are developed, branded, and sold to businesses and consumers.

Students will analyze industry trends and gain hands-on experience in the marketing of goods, services, and ideas. Students will be able to actively practice these theories through The MarketPlace (our school store). Topics covered will also include professionalism in the workplace, product planning and positioning, promotion, pricing, selling, economic issues, and the impact of technology on the marketplace. Guest speakers and field trips will also serve as a learning opportunity for students. An integral part of the program is participation in the school and business-related competition activities. These will offer marketing students opportunities in leadership, community service, and competitive events.

Articulated credit available.
Dual Enrollment Credit available.

Marketing II Entrepreneurship Blocks 1, 2, &3
Prerequisites: Must have earned and 80% or higher in Marketing I and have missed no more than 16 days of chargeable absence in the Marketing I.

Students in Marketing II will need to apply to either be store managers or have transportation so they can be placed at a workplace learning site for a minimum of three days a week. They will be engaged in enhanced studies of marketing and business.

Marketing & Entrepreneurship III
Third course of study is open to students with permission of the instructor and Tech Center Principal. Students may engage in advanced study including business management and entrepreneurship. Students will work toward a national retail certification. Students may also be placed in a workplace learning site.

Graphic Communications I & II – Blocks 1, 2, & 3
Prerequisite: None
The Graphic Communications program at the Technical Education Center will prepare students for post-secondary college programs or entry into the workforce in the production printing industry. Students will be exposed to and learn foundational skills relative to computer layout and design, press operation, bindery work and customer service. This is an excellent course for male or female students interested in computers, computer graphics, advertising, newspaper work, commercial art, photography, digital photography, social media communications, business communications and commercial production printing. With the advanced software provided in this program, students will be encouraged to use their creative skills in the design of advertisements, product labels, identity marks (logos), brochures, posters/flyers, presentations, etc. Students will also learn to edit and manipulate photographs as standalone work or to include in their design projects. Projects will be completed for area business and organizations providing

students firsthand experience working with clients. A variety of program related equipment and processes common to the design and print industry will be included.
Articulated credit available.
Up to 8 Bay College Credits available.

Graphic Communications III
Third course of study is open to students with permission of the instructor and Tech Center Principal. Students may engage in advanced study in graphic design including Adobe software. Students may also be placed in a workplace learning site.

Welding Technologies I Blocks 1, 2, & 3
Prerequisite: Must be a Junior or Senior
The Welding Technologies program at the Technical Education Center prepares students for entry level job skills in the Welding field or participation in a community or technical college program. The instructional format is "self-paced", thus allowing students to progress at their own speed. Instruction is provided in safety, cutting and bending steel, shielded metal ARC welding, gas metal ARC welding (wire feed), gas tungsten ARC Welding (TIG), oxy acetylene torch cutting, project layout and construction, daily maintenance of shop and equipment and employability skills. Students are required to complete welding and cutting operations if time and skill level permit an instructor-approved project. Time in this course is split between lectures and hands-on activities including the completion of required welding operations, a required project, and a project of the student's choosing.
Up to 4 Bay College Credits are available

Welding Technologies II Blocks 1,2, & 3
Prerequisite: Must successfully complete Welding I
Students enrolled as second-year student in the Welding Technologies program will receive advanced training in 5 welding processes and will participate in the completion of advanced projects as approved by the instructor. Students will learn how to operate a welding robotic cell, design in 2-D CAD software to learn how to develop a file used to cut on a plasma table. In some cases, students will be encouraged to participate in advanced student competitions. Students may also qualify for a work-based learning placement depending on their skill level and availability of placements.
Articulated credit available.
Up to 4 Bay College Credits are available.

Students interested in Welding should consider the ***Dickinson-Iron Technical Early College program***.

Dickinson – Iron Technical Early College

D. I. T. E. C.

The Dickinson-Iron Technical Early College is partnering with Bay College to offer students in the Health Occupations, Welding, Mechatronics, and Networking/Cyber Security programs in an early college experience. DITEC is a grade 11-13 program. Students will complete some of their coursework at the Technical Center in grades 11 and 12 through articulated programs while continuing their required graduation classes at their local high school. They will complete their college requirements through Bay College. For more information please contact the Technical Center at 906-779-2697 or Bay College West at 906-217-4301.

STATEMENT OF NONDISCRIMINATION

The School District of Florence County does not discriminate against pupils on the basis of sex, race, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap in its education programs or activities. Federal law prohibits discrimination in employment on the basis of age, race, color, national origin, sex, or handicap.

The district encourages informal resolution of complaints under this policy. If any person believes that the School District of Florence County or any part of the school organization has failed to follow the law and rules of s. 118.13, Wis. Stats., or in some way discriminates against pupils on the basis listed above, he/she may bring or send a complaint to the administration office at the following address:

School District of Florence County
P.O. Box 440
Florence, WI 54121