

LITTLE CHUTE



HIGH SCHOOL

Academic and Career Planning Guide

2020-21

Preparing **all** students for **success!**

**PUBLIC NOTIFICATION OF STUDENT
NONDISCRIMINATION POLICY**

It is the policy of the Little Chute Area School District that no person may be denied admission to any public school in this district or be denied participation, be denied the benefits of, or be discriminated against in any curricular, extracurricular, public service, recreational, or other program or activity because of the person's sex, race, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional or learning disability as required by section 118.13 of the State Statutes. This policy also prohibits discrimination as defined by Title IX of the Education Amendments of 1972 (sex), Title VI of the Civil Rights Act of 1964 (race, color, national origin), Section 504 of the Rehabilitation Act (handicap), and Americans with Disabilities Act of 1990 (disability).

The District shall provide appropriate educational services or programs for students who have been identified as having a handicap or disability, regardless of the nature or severity of the handicap or disability. The District shall also provide for the reasonable accommodation of a student's sincerely held religious beliefs with regard to examinations and other academic requirements.

The District encourages informal resolution of complaints under this policy. A formal complaint procedure is available, however, to address allegations of policy violations in the School District.

Any questions concerning this policy should be directed to:

David Botz, District Administrator
Little Chute Area School District
1402 Freedom Road
Little Chute, WI 54140

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This registration booklet is designed to help you and your parents plan your high school program at Little Chute High School. Please read the class descriptions and discuss your course selections with your parents. You will meet with your counselor to explore your ideas.

TO ALL LCHS STUDENTS

Little Chute High School administration and staff prepared this book to assist you in planning your educational program for the 2020-21 school year. Review this booklet before making decisions on courses you plan to request.

It is your responsibility to select the courses that meet LCHS' graduation requirements and best meet your needs based on your interests, aptitudes, abilities, and future plans. It is also your responsibility to return all your completed materials. Teachers, counselors, and parents will help you in making your decisions. You will also want to consider the following:

1. **Know what the requirements are for graduation from Little Chute High School.** Are you meeting these requirements in your planning? This is your responsibility.
2. **Before selecting a course, check the course description.** Does it meet your needs based on your future?'
3. **You must have teacher approval for some courses.** If needed, get this as soon as possible.
4. **If in doubt about credits for graduation,** college, and tech schools, apprenticeships or vocations, see your counselor for help.
5. **Plan not just for next year, but for your entire high school career and your future educational plans.** Keep your options open by taking a challenging curriculum in the academic and technical areas.
6. **Selecting a course does not guarantee that you will actually be scheduled into that course.** Every effort will be made to honor a student's request, but it is often impossible to make a 100% perfect schedule. When conflicts occur, your counselor will assist you in making alternate choices.

Please take advantage of the many resources available to you - teachers, counselors, parents and others in planning your schedule so that it meets your school-to-career goals.

Good Luck!

Mr. Bird

ADDING OR DROPPING A CLASS

Courses must be added or dropped before the first day of any term unless academic ability, an extended illness, or reasons initiated by a teacher, parent, principal, and/or guidance counselor require an added or dropped course. Course request changes initiated by a student or parent during the registration process (December, January, & February) are encouraged and welcomed. After February, the master schedule and final staff assignments are finalized based upon student requests.

A class drop and add procedure is then followed and allowed only when it is obvious to all concerned (student-parent-teacher-counselor-principal) that the student's best interests are not being served. Disliking the subject matter, requirements, or the teacher's presentation is not viewed as a valid reason for dropping the course. Insisting on dropping a course in progress, without the support of the teacher, principal, and guidance counselor, will result in a failing grade for that course.

To fulfill graduation requirements, students are encouraged to take a blend of courses that meet their social, cultural, and vocational needs. Your school counselor will assist you in making a selection.

SUGGESTED COURSE SEQUENCE

The following sequence of courses will provide for a comprehensive high school education and meet the requirements for a high school diploma.

Ninth Grade	Tenth Grade
1. English 1A & B	1. English 2A & B
2. Algebra 1	2. Geometry
3. World History A & B	3. Health
4. Physical Science A&B	4. Biology A & B
5. Career Skills	5. PE
6. PE	6. Global Studies + 0.5 Social Studies (Elective)
7. CTE**/Elective*	7. CTE**/Elective*

Eleventh Grade	Twelfth Grade
1. American Literature	1. English electives (1 credit)
2. American History	2. Math elective encouraged
3. Algebra 2	3. Science elective encouraged
4. Science (3 cr required)	4. Social Studies elective encouraged
5. PE	5. CTE**/ Electives*
6. Financial Literacy and/or Independent Living	6.
7. CTE**/Electives*	

***World Language may be required for admittance to colleges and universities.** Other colleges/universities may not require it for admittance, but students could be required to take it at the college level, depending on their program. Therefore, it may help to have some world language background prior to high school graduation.

****Career and Technical Electives are courses relating to students selected career pathway**

TO GRADUATE

Participation in commencement or any other graduation activity is not permitted without obtaining the required number of credits.

It is not the prerogative of the school counselors or the high school principal to interpret board policy. Any special arrangements, not covered by policy and written administrative procedures, are to be referred to the high school principal for approval and, if necessary, prepared for Board of Education action.

Career Pathways

In order to assist students with planning their schedules, we have included the following “Career Clusters”. These 16 **Career Clusters** lead directly to **Career Pathways**.

The Career Pathways are intended to help guide students in selecting their choices for elective courses outside of those that are required. Students with a purpose in mind do better in their studies than those who are without aspiration or dedication. The selection of elective subjects must not be taken lightly. For additional information on Career Clusters, visit www.careertech.org/career-clusters.

College admissions counselors and personnel workers in business and industry consider only those applicants who show promise for academic or vocational success. Your high school record is one of these measures used.

It is suggested that the parents of students confer with the counselor as early in the student’s high school career as possible so that proper studies and course sequences may be chosen for their high school preparation. Feel free to call (788-7613) to set up an appointment. The counselors are assigned as follows: Mrs. Gretz A-L and Mrs. Bruckner: M-Z, Grades 9-12.

COMMUNICATION AND INFORMATION SYSTEMS



Arts 1&2 2D Art/ 2D Advanced 3D Art/ 3D Advanced Drawing and Painting Ceramics Digital Photography Digital Art	Symphonic Band Wind Ensemble LC Chorus Mustang Choral Chamber Singers Music Theory 1 Music Theory 2 Life in Music Career Exploration
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Media Productions Publications Computer Applications Marketing 1 Marketing 2	Introduction to Fashion & Design Fashion & Design 2
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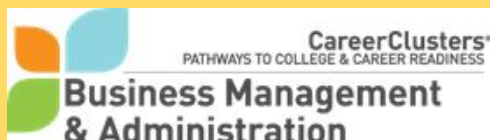
Art 1 Essentials Art 2 Media Productions Digital Art Digital Photography Computer Applications Life in Music Career Exploration	PLTW-Computer Science PLTW-Computer Science Principles Pre-Calculus
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AGRICULTURE, FOOD, & NATURAL RESOURCES

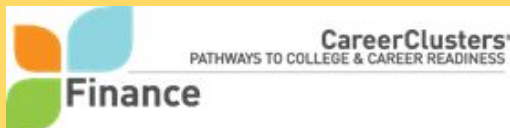


[Biology](#)
[Food and Exercise Science](#)
[Ecology and Environmental Science](#)
[Multi Cultural Foods](#)
[Spanish](#)

BUSINESS, MARKETING & ADMINISTRATION



[Intro to Business & Marketing](#)
[Business Foundations](#)
[Marketing 1](#)
[Entrepreneurship](#)
[Marketing 2* \(odd year\)](#)
[Accounting 1](#)
[Computer Applications](#)
[Spanish](#)



[Accounting 1](#)
[Accounting 2](#)
[Financial Literacy](#)
[Economics](#)
[Computer Applications](#)
[Independent Living](#)
[Introduction to Business](#)
[Business Foundations](#)

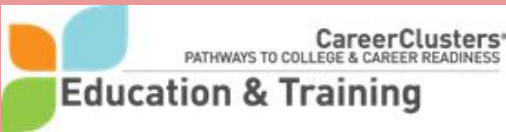


[Culinary Arts 1](#)
[Culinary Arts 2](#)
[Nutrition](#)
[Multicultural Foods \(Even\)](#)
[Baking and Pastry Arts \(odds\)](#)
[Accounting](#)
[Computer Applications](#)
[Spanish](#)
[Introduction to Business](#)
[Business Foundations](#)
[Marketing 1](#)
[Marketing 2](#)



[Intro to Business](#)
[Marketing 1](#)
[Marketing 2 \(odd year\)](#)
[Entrepreneurship](#)
[Accounting](#)
[Accounting 2 \(odd year\)](#)
[Spanish](#)
[Culinary Arts 2](#)

HUMAN SERVICES & EDUCATION



[Intro to Education and Human Services](#)

[Education and Human Services 2](#)

[Individuals, Schools, & Society](#)

[Psychology](#)

[Sociology](#)

[Spanish](#)

[Art 1](#)

[Art 2](#)

[Symphonic Band](#)

[Wind Ensemble](#)

[LC Chorus](#)

[Mustang Choral](#)

[Chamber Singers](#)

[Music Theory 1](#)

[Music Theory 2](#)

[Life in Music Career Exploration](#)

[Mustang Teacher Aide](#)



[Global Studies](#)

[American History 1 & 2](#)

[Political Science](#)

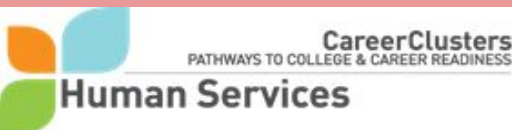
[Economics](#)

[Current Events](#)

[Spanish](#)

[Introduction to Business](#)

[Accounting](#)



[Intro to Education and Human Services](#)

[Education and Human Services 2](#)

[Individuals, Schools, & Society](#)

[Psychology](#)

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[Life in Music Career Exploration](#)



[Political Science](#)
[Psychology](#)
[Spanish](#)

HEALTH SERVICES



[Health Related Careers \(FVTC\)](#)
[People Skills for the Health Care Professional \(FVTC\)](#)
[Certified Nursing Assistant \(FVTC\)](#)
[Medical Terminology \(FVTC\)](#)
[Spanish](#)
[Biology](#)
[AP Biology](#)
[Chemistry](#)
[AP Chemistry](#)
[Food and Exercise Science](#)
[Anatomy and Physiology](#)

MANUFACTURING, TECHNOLOGY, & ENGINEERING



[Architectural Design 1](#)
[Architectural Design 2](#)
[Mechanical Drawing 1 - FVTC Dual Credit](#)
[Mechanical Drawing 2 - FVTC Dual Credit](#)
[Woodworking 1](#)
[Woodworking 2](#)
[Art 1](#)
[Art 2](#)
[2D/2D Advanced](#)
[3D/3D Advanced](#)
[Spanish 1 & 2](#)
[Entrepreneurship](#)
[Accounting](#)

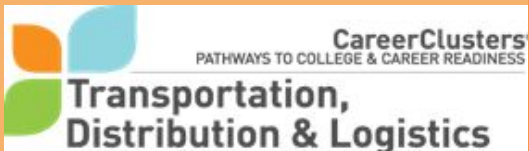


[Foundations of Manufacturing and Engineering](#)
[Manufacturing](#)
[Mechanical Drawing 1 - FVTC Dual Credit](#)
[Mechanical Drawing 2 - FVTC Dual Credit](#)
[Machine Tool Jump Start - FVTC Dual Credit](#)
[Metals 1](#)
[Metals 2 -FVTC Dual Credit](#)
[Metals 3 - FVTC Dual Credit](#)
[Spanish 1 & 2](#)



[Foundations of Manufacturing and Engineering](#)
[PLTW- Computer Science Principles](#)
[PLTW - Intro to Engineering Design\(IED\)](#)
[PLTW- Principles of Engineering\(POE\)](#)
[College Technical Math](#)
[Mechanical Design 1](#)
[Mechanical Design 2](#)
[Metals 1](#)
[Metals 2 -FVTC Dual Credit](#)
[Metals 3 - FVTC Dual Credit](#)
[Woodworking 1](#)
[Woodworking 2](#)
[Machine Tool Jump Start - FVTC Dual Credit](#)
[Architectural Design 1](#)
[Intro To Engineering \(UW-Fox Valley\)](#)

[Spanish](#)
[Physical Science](#)
[Physics](#)
[Chemistry](#)
[AP Chemistry](#)



[Foundations of Manufacturing and Engineering](#)
[Marketing](#)

LCHS Graduation Credit Requirements (Revised 9-14-15)

Required Courses	Credits Needed
Language Arts	4.0
Math	3.0
Science	3.0
Social Studies	3.0
Physical Education	1.5
Career Skills	.5
Health	.5
Financial Literacy *	.5
Elective Credits	12.0
TOTAL CREDITS**	28.0

*Independent Living (FACE) will fulfill the Financial Literacy requirement

**Portfolio completion and presentation during senior year is also required for graduation.
No credit is given for Portfolio completion.

REQUIRED PORTFOLIO

Prior to graduation, students are required to complete a portfolio template and presentation that reflect each individual's continuing mastery of the district's eight outcomes and academic and career planning.

- ❖ Artistic Appreciator
- ❖ Cooperative Societal Contributor
- ❖ Effective Communicator
- ❖ Global Cultural Participant
- ❖ Problem Solver/Critical Thinker
- ❖ Responsible for Personal Wellness
- ❖ Self-Directed Learner
- ❖ Technological Quality Producer

Flex Time

All students are assigned to a specific homeroom, which will meet every Monday. Homerooms will allow students to complete a variety of activities, have class meetings, vote on various topics, schedule intervention/enrichment opportunities and develop their portfolio. This portfolio satisfies the graduation requirement by collecting classroom work samples and/or outside activities that reflect the student's continuing mastery of the district's eight graduation outcomes.

Each term, students are required to place these samples in their portfolio. Examination skills like critical review, peer editing, polishing work samples, etc. are learned in the homerooms. As part of graduation requirements, during the fourth term of each year students in grades 9 and 11 will review their portfolio with a parent/guardian and a classroom teacher. Sophomores must participate in mandatory individual counselor/student/parent/guardian conferences. **Seniors** must participate in a senior exit interview and portfolio exhibition.

Required Portfolio Materials

1. Portfolio Template
2. Portfolio Presentation
3. Resume
4. Evidence of School to Career Transition
5. Acceptable Evidence of District Goals
 - ❖ Artistic Appreciator
 - ❖ Cooperative Societal Contributor
 - ❖ Effective Communicator
 - ❖ Global Cultural Participant
 - ❖ Problem Solver/Critical Thinker
 - ❖ Responsible for Personal Wellness
 - ❖ Self-Directed Learner
 - ❖ Technological Quality Producer
6. Successful Completion of LCHS Senior Portfolio Scoring Rubric

Post Secondary Education Tips and Readiness

High school graduation requirements may be different from the entrance requirements for specific colleges and universities. The requirements listed below are minimum requirements for students to be eligible for admission to these institutions. Students are encouraged to exceed these minimum requirements and to challenge themselves by taking rigorous courses, including Advanced Placement courses, to be competitive in the collegiate admissions process.

COLLEGE/UNIVERSITY PLANNING

College Entrance Tests

College entrance tests are given by two testing agencies. The College Board administers the PSAT/NMSQT (Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Tests) and the SAT (Scholastic Aptitude Tests) for juniors. The American College Testing Program administers ASPIRE for freshmen and sophomores and the ACT (American College Test) for juniors. The ACT test is recommended by the University of Wisconsin System. Detailed information concerning these tests is provided to students as part of the college counseling program beginning in their freshman year.

College Entrance Requirements

College entrance requirements differ with each institution and must be looked at individually. Generally speaking, you have a good chance to be admitted if you meet the following two requirements.

1. Meet the class rank requirement according to GPA (Grade Point Average) and/or ACT requirement as listed in the [UW Journey Guide](#), available online or in the pupil services office.
2. Upon graduation, have successfully completed a minimum of 17 academic credits:

University of Wisconsin System

Students must meet the following minimum requirements in order to be eligible for admission:

English: 4 credits

Mathematics: 3 credits (minimum of Algebra 2)

Science: 3 credits

Social Studies: 3 credits

FA/Electives/Language: 4 credits

Two years of a single world language are required for admission to UW-Madison, and strongly recommended at other UW System campuses. For those students interested in attending a four-year college or university, it is recommended you discuss a four year academic plan with your counselor.

Nation's Top Universities

Student's must meet the following minimum requirements in order to be eligible for admission:

English* : 4 credits

Mathematics: 4 credits

Science: 3-4 credits

Social Studies** : 3 credits

World Language*** : 3-4 credits

** Intensive work in writing*

*** Includes American and European History*

**** At least one world language*

Dual Credit Programs

DUAL CREDIT / ADVANCED STANDING



Classes taken here are eligible for Dual Credits. With a passing grade set by the high school and FVTC, you can earn both high school and college credits.

Little Chute High School has an agreement with Fox Valley Technical College whereby certain classes taken at Little Chute High can provide eligibility for **advanced standing** for a student who pursues an associate degree or a technical diploma at FVTC. Fox Valley Technical College will make the final determination of the awarding of advanced standing.

The following career and technical courses at LCHS are offered for advanced standing with Fox Valley Technical College:

HS Course(s)	for	FVTC Course(s)	FVTC credits
People Skills for the Health Care Professional	for	People Skills for the Health Care Professional	1
Business Foundations	for	Intro to Business	3
Marketing 2	for	Principles of Marketing	3
Computer Apps	for	Intro to Microsoft Office	2
Financial Literacy	for	Financial Planning	2
Metals 2	for	Welding and Metal Fabrication Introduction & Safety	1
Metals 3	for	Welding Print Reading, Welding Symbols & GMAW Techniques 1	3
Mechanical Drawing 1	for	Intro to Solidworks, Sketching & Design Process, and CAD & Geometric Construct	2
Mechanical Drawing 2	for	Intro to AutoDesk Inventor and Multiview Projections	3
Machine Tool Jump Start	for	Course options: Measurement and Benchmark, Engine Lathe, or Print Reading for Machine Tool	3
College Technical Math	for	College Technical Math (Advanced Standing)	5

CAPP Classes through UW-Oshkosh and UW-Fox Valley

Students who enroll in a Cooperative Academic Partnership Program (CAPP) class are eligible to earn college credit at a fraction of the price. CAPP classes are actual college classes.

At Little Chute, we offer CAPP classes from UW-Oshkosh and UW-Fox Valley, and to be eligible to take these classes, the student must meet one of the following requirements:

- Class rank in the top 25 percent
- GPA of at least 3.25 on a 4.0 scale
- Instructors can make recommendations for students exceptional in that area, but not meeting the requirements.

Completing and passing CAPP classes can earn students 3 college level credits that can transfer to over 2,500 colleges in the US.

College Credit in High School Program through UW-Green Bay

The College Credit in High School program is a dual credit program where students earn both high school and college credit for a class. UW-Green Bay offers college credit courses within high schools and provides opportunities for academically qualified high school students to engage in college-level learning experiences. Courses are taught by qualified and approved high school faculty, students pursue rigorous advanced subjects and earn college credit upon successful completion.

Our CCIHS class through UW-Green Bay is College Spanish- SPAN 202. Upon successful completion of the course, students will earn 3 credits for this class. With a grade of "B" and above, students will receive 11 additional retroactive credits for a total of 14 college credits from UWGB, which is equal to a full semester of credit.

EARLY COLLEGE CREDIT PROGRAM AND START COLLEGE NOW

The Youth Options Program provides an opportunity for students in grades 11 and 12 to enroll in post-secondary institutions (college, universities, and technical schools) pre-approved courses that are not available in the high school curriculum. Courses are taken for both high school and college credit. Student admission is contingent on meeting entrance requirements and the availability of space. Student's grades from Youth Options will be calculated in their high school grade point average.

The student is required to apply for this program and must get approval from the School Board. Application for enrollment at post-secondary institutions must be made by March 1 for the fall semester and by October 1 for the spring semester. Students interested in enrolling in a Youth Options course should contact their counselor for information. LCASD policy 343.42, the Youth Options contract, and State Statute 118.33 must be followed.

ADVANCED PROGRAM STUDIES

Juniors and Seniors may take College English, Calculus, Speech, Sociology, and Psychology at LCHS for college and high school credit. Cost per credit varies each year based on the university. The program is offered through UW-Oshkosh and UW-Fox Valley, but credits are usually transferable to any North Central Accredited University. Under the revised guidelines, we are able to enroll students in the UW Program as follows:

1. Ranking in the upper 25% of their class - or
2. 3.25 GPA and above (on a 4.0 scale) - or
3. Ranking between the 25% and 50% of their class and have an ACT score \geq 24.

Schedule for 2020-21

LCCPA/Period Sched	Block	Wednesday Periods	Wed Block
1 7:50-8:37 47 minutes	1 7.50-9.24 94 minutes	1 7:50-8:24 34 minutes	1 7.50-8.58 68 minutes
2 8:37-9:24 47 minutes		2 8:24-8.58 34 minutes	
Rtl 9:30-10:00 30 minutes	RTI 930-10 30 minutes	RTI 9:03-9:33 30 minutes	RTI 9.03-9.33 30 minutes
3 10:06-10.52 46 minutes	2 10.06-11.38 92 minutes	3 9:38-10:12 34 minutes	2 9.38-10.46 68 minutes
4 10.52-11.38 46 minutes		4 10:12-10.46 34 minutes	
Lunch 11.38-12.18 40 minutes	Lunch 11.38-12.18 40 minutes	10.46-11:26 40 minutes	Lunch 1046-11.26 40 Minutes
5 12:18-1:03 45 minutes	3 12.18-1.48 90 minutes	5 11:26-12:00 34 minutes	3 11.26-12.33 67 minutes
6 1:03-1.48 45 minutes		6 12:00-12.33 33 minutes	
7 1.52-2.37 45 minutes	4 1.52-3.23 91 minutes	7 12.38-1:12 34 minutes	4 12.38-1.45 67 minutes
8 2.37-3.23 46 minutes		8 1.12-1.45 33 minutes	

Business Education

Recommended Course Pathway

	Marketing	Business	Computer Science
Year 1	Intro to Business	Intro to Business	Computer Apps*
Year 2	Marketing 1	Accounting 1	PLTW - CS Principles (math)
Year 3	Entrepreneurship*	Business Foundations*	PLTW - CS Essentials (math)
Year 4	Marketing 2* (odd years)	Accounting 2 (even years)	

Computer Courses

COMPUTER APPLICATIONS – FVTC

<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
9-12	0.5	None	None

Computer Applications provides an opportunity to gain technical skills employers are seeking, by using the features in Outlook, Word, Excel, and PowerPoint. Through hands-on course work, students will be able to integrate Word, Excel and PowerPoint. Students earning a C or better will earn 2 credits to FVTC

Business Courses

INTRO TO BUSINESS

<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
9-12	0.5	None	None

Introduction to Business is for the student who may be interested in pursuing a career in business or wants a general background of our economy and the operations of business. The course deals with topics of the economic environment, business structures, social responsibility and business ethics. This course provides a good foundation for students who wish to enroll in advanced business courses. Activities include projects, discussion, current event articles, and videos.

BUSINESS FOUNDATIONS – FVTC

<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
11-12	0.5	None	None

This course is intended to provide an overview of the variety of activities in the world of business. It focuses on the responsibilities connected with operating a business from both organizational and managerial viewpoints. It also examines the role of government and the economy in both national and international business. Students earning a C or better will earn 3 credits to FVTC

MARKETING 1

<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
9-12	0.5	None	None

This course is designed to enlighten students on valuable information they will use throughout their everyday life. Students will gain an understanding of the basic marketing concepts, economics, business and social responsibility, basic math skills, communication skills, promotional concepts, and the steps of the sale.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
MARKETING 2 – FVTC (ODD YEARS)	11-12	0.5	None	Marketing 1

The course emphasizes the interrelated aspects of a firm’s marketing functions. These functions include but are not limited to: product and service strategy, marketing strategy and research, advertising and promotion, pricing concepts and practices and distribution strategies. The course also covers modern marketing practices and the relationship of marketing to other business functions, and to information systems as used by marketing managers. Students earning a C or better will earn 3 credits to FVTC.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
ACCOUNTING 1	10-12	1.0	None	None

Accounting is a systematic method of analyzing and journalizing business transactions, posting to ledgers, preparing and interpreting end-of-fiscal period financial statements for service and merchandising businesses. Students are introduced to computerized accounting and the use of special journals as they apply to accounting practices. The applications of sales tax, the formation of partnerships and corporations, payroll procedures, and accounts receivable and accounts payable are also studied. Students are exposed to financial planning and investing through participation in the Wisconsin Stock Market Challenge. Accounting enables the students to intelligently handle their personal and business financial affairs as citizens, consumers, proprietors and/or investors. Activities include individualized and group instruction, business simulations, and manual and computerized accounting, and working paper assignments.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
ACCOUNTING 2 (EVEN YEARS)	11-12	1.0	None	Accounting I

Accounting 2 includes the keeping of business records, preparing and understanding financial reports for partnerships and corporations. Emphasis is placed on accounting for current and long-term assets, liabilities, and equity in publicly held corporations. Students are introduced to not-for-profit organizations, departmental and cost accounting for a manufacturing environment, vouchers, and cost controls. Personal income tax problems are also completed in both manual and computerized format. The major focus of the second term is the study of advanced accounting programs and applications using microcomputers and spreadsheets. Activities include individualized and group instruction, business simulations, manual and computerized accounting, workbook assignments, and guest speakers.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
ENTREPRENEURSHIP- FVTC	11-12	1.0	None	At least one business class

Entrepreneurship & Business Management is designed for students planning a career in business. The students will directly apply business principles in the operation of the Mustang Locker Room (School Store). The classroom components include exposure to the forms of business ownership, human resources, sales, promotions, customer service, financial management, business plans, and a company development project. The work experience component includes training and employment in cash handling, marketing, personnel management, inventory, computerized accounting, order processing, and payroll calculation pertaining to the day-to-day operations of the school store. Activities include projects, field trips, and school store operation.

Financial Literacy - FVTC

<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
11-12	1.0	None	None

This course approaches planning from the perspective of an individual who applies specific financial concepts and principles to setting financial goals, choosing a career, budgeting and cash flow management. Topics include: credit, income taxes, asset protection, investments, retirement and estate planning.

* ***Independent Living*** (FACE) will also fulfill the Financial Literacy graduation requirement.

Family and Consumer Science

Recommended Course Pathway

	Visual Arts and Design	Education and Human Services	Hospitality & Tourism
Year 1	Intro to Fashion & Interior Design	Intro to Education and Human Services	Culinary Arts 1
Year 2	Fashion and Interior Design 2	Education and Human Services 2	Culinary Arts 2 Nutrition Multicultural Foods Baking and Pastry Arts
Year 3/4	Fashion and Interior Design 2	Individuals, Schools, & Society	Culinary Arts 2 Nutrition Multicultural Foods Baking and Pastry Arts

Family & Consumer Science department courses offer the opportunity for students to learn how to live in today's society and to be more successful in the future. The particular focus of these courses enables students to work through complex situations they may face and to make reasoned judgments and take appropriate action. The Family and Consumer Science Programs have two parts: The home component and the job component. The Fox Valley Technical College offers advanced standing to students who meet academic requirements after completing LCHS' Fashion and Design, Nutrition and Health Related Careers. To be eligible for advanced standing, students must enroll in a technical college degree program and present appropriate documentation of the completion of the high school course(s) which meets the conditions stated in the articulation agreement.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
INTRO TO FASHION – FVTC and INTERIOR DESIGN	9-12	0.5	Project Based	None

Intro to Fashion and Interior Design is designed to introduce you to careers in the Visual Arts and Design Career Pathway. Basic elements and principles of design will be introduced and implemented throughout the course. Clothing and housing history, styles, future concepts as well as careers will be researched. You will also understand how to choose housing and home furnishing and fashion and apparel that will suit your future lifestyles and budgets. Students will learn to use fabrics and materials with technology and apply it to their daily lives and future careers. **Students are required to bring materials and supplies for projects in this class.**

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
FASHION AND INTERIOR DESIGN 2	9-12	0.5	Project Based	Intro to Fashion & Interior Design

Fashion and Interior Design 2 helps to further prepare students for occupations related to the Visual Arts and Design Career Pathway with a focus on housing & fashion related careers. This course will also work to improve their skills as consumers of clothing and home furnishings. Students become self-directed learners as they apply information learned from Intro to Fashion & Interior Design, choose a focus and develop, create, and evaluate student let projects. **Students are required to bring materials and supplies for their own projects in this class. Students taking this class must have taken Intro to Fashion and Interior Design.**

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
INTRODUCTION TO CULINARY ARTS	9-12	0.5	None	None

Culinary Arts is a course for all students who would like to learn the basics of cooking. Students will be engaged in activities, labs, and projects that will teach them basic cooking techniques and procedures, food preparation terminology, how to read and alter recipes, proper food safety and sanitations, how to use equipment and utensils properly, ingredient substitutions, chemical reactions in foods, and menu planning.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
CULINARY ARTS 2	9-12	0.5	None	Introduction to Culinary Arts

Culinary Arts 2 prepares students for one of the fastest growing areas of future part-time and full-time careers. Students explore careers in the field of food service and will concentrate on skills and attitudes needed for successful employment in the food service industry. Students will become part of a “mini food production company” as they practice customer service skills, quantity food preparation, promotions, and food display. Course includes exploratory food labs.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
INTRO TO EDUCATION & HUMAN SERVICES	9-12	0.5	None	None

This course provides students with an introduction to careers in the Education and Human Services Career Pathway. The student will learn basic child development principles and information in order to increase understanding of how humans develop and grow physically, socially, intellectually, and emotionally. Students will be introduced to basic child care and parenting knowledge as well as skills which students can use now and in the future. The class provides a foundation for students interested in working with children in future career areas and provides an opportunity to demonstrate leadership, citizenship, and teamwork skills required for success in the family, workplace, and global community. Learning activities, parenting simulation, observation techniques, and lab experiences in working with young children may be included. This course is for students interested in *careers* in early childhood education, child care, elementary education, or *careers related closely to children* such as being a counselor, psychologist, pediatric nurse, etc.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
EDUCATION & HUMAN SERVICES 2	10-12	0.5	None	Intro to Education & Human Services

This course is designed for those interested in further exploring the Education and Human Services Pathway. Students will be involved in a fast-paced, hands-on curriculum where they gain knowledge about teaching and learning. Students will explore the qualities of effective teachers, different learning styles, educational philosophies, brain research, development skills, and practice speaking/presentation and teaching techniques. Students will have the opportunity to create, practice, and execute lesson plans they create as they work with students in our community through a drug and alcohol awareness and prevention program. **Students taking this course must have taken Intro to Education and Human Services.**

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
PEOPLE SKILLS FOR THE HEALTHCARE PROFESSIONAL - FVTC	9-12	0.5	None	None

The course examines explores professional/social interaction skills required for healthcare workers. The student will investigate values, ethical dilemmas, helping roles, assertiveness skills, and communications with special populations. Students will participate in reflective self-study, group discussions, and service learning experiences. The development of a professional portfolio for future employment use will be outlined. This course is transcribed with Fox Valley Technical College. Students completing this course with a C or better will earn 1 college credit with FVTC. Due to the fact that this is a college equivalent course coordinated through FVTC, grading policies differ from that of LCHS.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
INDEPENDENT LIVING	10-12	0.5	None	None

****Independent Living will fulfill the Financial Literacy graduation requirement***

Independent Living is designed to help students become aware of, understand, and practice the skills necessary to live on your own and to enable them to become wise consumers. Units relate to responsibilities of becoming a legal adult, consumer rights, and responsibilities, budgeting, credit, insurance, saving and investing, housing selection, and socialization and human relationships.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
MULTICULTURAL FOODS	9-12	0.5	None	None

Multicultural Foods students study a diverse range of foods from around the world and learn how food can affect culture as well as how culture can affect food habits. Emphasis is placed on the impact of foreign foods in the American cuisine. One dinner is prepared for each cuisine studied. Students learn about food related meanings, food attributes and names, obtaining food and actions taken regarding food.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
BAKING & PASTRY ARTS	9-12	0.5	None	Intro to Culinary Arts

In Baking and Pastry Arts, students will build upon the beginning baking skills learned in Introduction to Culinary Arts and learn to make a variety of yeast breads and quick breads with a focus on the scientific principles that yield the best-baked products. Students will also practice the preparation of different types of cookies, cakes, pastries, and key culinary techniques such as meringue production and egg tempering. Students will learn the scientific principles behind candy making as they prepare a variety of homemade candies and learn techniques for cookies, pies, cakes, pastries, gluten-free desserts, and specialized desserts. Students will practice plating eye-catching desserts and designing and decorating their own custom cakes for a special occasion. Science and math skills are reinforced through practical foods lab experiences. This class is recommended for students planning to pursue a degree in the culinary or pastry arts as well as culinary enthusiasts. **Students taking this course must have taken Intro to Culinary Arts.**

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
INDIVIDUALS, SCHOOLS, & SOCIETY – CAPP UW OSHKOSH \$\$ **	11-12	1.0	\$\$ **	Intro to Education and Human Services and Education and Human Services 2.

Interested in teaching as a profession? This is an introductory, 3 credit college-level education course through UW Oshkosh. This course provides you with an introduction to teaching as a profession in the US public education system. Students will learn what future educators need to know, understand and practice in order to one day become accomplished teachers. This will be accomplished through a study of social, political, and economic forces in U.S. Society that have a direct bearing on schools and education. A portion of this course includes working directly with students in elementary and intermediate schools within the district and provides the student with hands-on teaching experiences. **Students taking this course must have taken Intro to Education and Human Services and Education and Human Services 2 and have a 2.75 GPA**

\$\$ **=This course will incur a fee of up to \$400 (approximate) which is a prorated portion of the UW Tuition as determined by LCASD.

World Language Department

Recommended Course Pathway

	Health Services	Human Services & Education	Business Marketing & Administration
Year 1	Spanish 1 or 2	Spanish 1 or 2	Spanish 1 or 2
Year 2	Spanish 2 or 3	Spanish 2 or 3	Spanish 2 or 3
Year 3	Spanish 3 or 4	Spanish 3 or 4	Spanish 3 or 4
Year 4	Spanish 4 or 5	Spanish 4 or 5	Spanish 4 or 5

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
SPANISH 1	9-12	1.0	None	None

In this course, our goal will be to acquire Spanish language. When you learned how to speak your first language, you acquired it naturally by listening to other people speak it around you for a long time; not by studying it. We will not be solely memorizing verb charts and vocabulary lists to regurgitate on a test, but actually using Spanish. Therefore, much of our class time will be spent using Spanish--not using English to talk about Spanish--and the focus will be on listening and reading more than speaking and writing. Those skills will come naturally as you take in more and more Spanish by listening and reading. This Spanish course is a Comprehensible Input Spanish course, and we will use methods and strategies that are based on Dr. Stephen Krashen's Input Hypothesis. In particular, we will use the TPRS (Teaching Proficiency through Reading and Storytelling) method of language instruction that was developed by Blaine Ray and based on the work of Dr. James Asher and also The Natural Approach developed by Tina Haardgarden and Ben Slavic. We will also read novels and work toward a Novice High proficiency in all 4 skills.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
SPANISH 2	9-12	1.0	Field Trip Only	Spanish 1

In this course, our goal will be to acquire Spanish language. When you learned how to speak your first language, you acquired it naturally by listening to other people speak it around you for a long time; not by studying it. We will not be solely memorizing verb charts and vocabulary lists to regurgitate on a test, but actually using Spanish. Therefore, almost all of our class time will be spent using Spanish--not using English to talk about Spanish--and the focus will be on listening and reading more than speaking and writing. Those skills will come naturally as you take in more and more Spanish by listening and reading. This Spanish course is a Comprehensible Input Spanish course, and we will use methods and strategies that are based on Dr. Stephen Krashen's Input Hypothesis. In particular, we will use the TPRS (Teaching Proficiency through Reading and Storytelling) method of language instruction that was developed by Blaine Ray and based on the work of Dr. James Asher and also The Natural Approach developed by Tina Haardgarden and Ben Slavic. We will also read novels and work toward an Intermediate Low proficiency in all 4 skills.

We will focus our class time on the acquisition of high frequency structures (the most frequently used words in a language). We will use these structures in class discussions, stories, games, readings, writing prompts, and cultural explorations, and you will be expected to recognize them when you read or hear them and, in time, be able to produce them in speech and writing. Specifically in Spanish 2 we will review present tense grammar and introduce high frequency past tense grammar structures and vocabulary from a wide range of topics.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
SPANISH 3	10-12	1.0	Field Trip Only	Spanish 2

In this course, our goal will be to acquire Spanish language. When you learned how to speak your first language, you acquired it naturally by listening to other people speak it around you for a long time; not by studying it. We will not be solely memorizing verb charts and vocabulary lists to regurgitate on a test, but actually using Spanish. Therefore, almost all of our class time will be spent using Spanish--not using English to talk about Spanish--and the focus will be on listening and reading more than speaking and writing. Those skills will come naturally as you take in more and more Spanish by listening and reading. This Spanish course is a Comprehensible Input Spanish course, and we will use methods and strategies that are based on Dr. Stephen Krashen's Input Hypothesis. In particular, we will use the TPRS (Teaching Proficiency through Reading and Storytelling) method of language instruction that was developed by Blaine Ray and based on the work of Dr. James Asher and also The Natural Approach developed by Tina Haardgarden and Ben Slavic. We will also read novels and work toward an Intermediate Low proficiency in all 4 skills.

We will focus our class time on the acquisition of high frequency structures (the most frequently used words in a language) and intermediate structures. We will use these structures in class discussions, stories, games, readings, writing prompts, and cultural explorations, and you will be expected to recognize them when you read or hear them and, in time, be able to produce them in speech and writing. Specifically in Spanish 3 we will review present and past tense grammar, introduce imperatives, future tense, and the subjunctive mood along with vocabulary from a wide range of topics.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
SPANISH 4	10-12	1.0	Field Trip Only	Spanish 3

In this course, our goal will be to acquire Spanish language. When you learned how to speak your first language, you acquired it naturally by listening to other people speak it around you for a long time; not by studying it. We will not be solely memorizing verb charts and vocabulary lists to regurgitate on a test, but actually using Spanish. Therefore, almost all of our class time will be spent using Spanish--not using English to talk about Spanish--and the focus will be on listening and reading more than speaking and writing. Those skills will come naturally as you take in more and more Spanish by listening and reading. This Spanish course is a Comprehensible Input Spanish course, and we will use methods and strategies that are based on Dr. Stephen Krashen's Input Hypothesis. In particular, we will use the TPRS (Teaching Proficiency through Reading and Storytelling) method of language instruction that was developed by Blaine Ray and based on the work of Dr. James Asher and also The Natural Approach developed by Tina Haardgarden and Ben Slavic. We will also read novels and work toward an Intermediate Mid proficiency in all 4 skills.

We will focus our class time on the acquisition of high frequency structures (the most frequently used words in a language) and advanced structures. We will use these structures in class discussions, stories, games, readings, writing prompts, and cultural explorations, and you will be expected to recognize them when you read or hear them and be able to produce them in speech and writing. Specifically in Spanish 4 we will review present, past, and future tense grammar along with the subjunctive mood and introduce higher level grammar concepts and vocabulary from a wide range of topics to prepare you for college coursework all in a Comprehensible Input classroom environment.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
COLLEGE SPANISH – UWGB SPAN 202 SPANISH 5	10-12	1.0 14.0 UWGB Credits with a “B” or above	UWGB Tuition (Approx. \$270) and Textbook	Spanish 4

College Spanish is offered on the Little Chute campus as a college class for credit. Upon successful completion of the course, students will earn 3 credits for this class. With a grade of “B” and above, students will receive 11 additional retroactive credits for a total of 14 college credits from UWGB, which is equal to a full semester of credit. This rigorous course reviews and refines all aspects of Spanish grammar, focuses on the main AP themes, and introduces a variety of text interpretation skills. Emphasis is placed on all modes of communication with the goal of improving language proficiency. This is achieved through both comprehensible input and also input that stretches their thinking to prepare for future coursework and travel abroad experiences. Additional cultural traditions, holidays, music, food, film, and information about Spanish-speaking countries will be introduced in order to strengthen cultural literacy among students. Please note that there may be some additional costs for field trips and cultural activities. Students will use *Abriendo Paso; Lectura* text accompanied by the *Gramatica Workbook*. We will also read novels and work toward an Intermediate High proficiency in all 4 skills.

Language Arts Department

Recommended Course Pathway

	Education and Human Services	Communications and Information Systems (Visual Arts and Design)	Business, Marketing, and Administration
Year 1	English 1	English 1	English 1
Year 2	English 2 and Introduction to Speech Communication	English 2 and Introduction to Speech Communication	English 2 and Introduction to Speech Communication
Year 3	American Literature Creative Writing Literary Genres	American Literature College Speech Creative Writing	American Literature College Speech
Year 4	AP Literature and Composition AP Language and Composition OR Fundamentals of Composition	Heroes and Villains Publications AP Literature	Applied English AP English Language and Composition OR Fundamentals of Composition

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
ENGLISH 1	9	1.0	None	None

English 1 is a required course that emphasizes language skills. The course contains four basic language areas: literature, composition, grammar and usage, and speaking. The course centers around four themes: Empathy, Dreams and Aspirations, Leadership, and All for Love. Through the writing process, students practice the skills of composition, which includes experience with different types of writing. The revision process emphasizes the practice and review of grammatical skills.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
INTRO TO SPEECH COMMUNICATIONS	10-12	0.5	None	None

Intro to Speech Communication involves the study of the ways people communicate and how individual & group communication can be improved from the individual's standpoint. The purpose of communication, self-concept and interpersonal communication, listening, interpersonal communication, nonverbal communication and communication in groups are all areas of emphasis that will be covered in this course. Students will also learn about preparing and giving speeches as they will present three different types of oral presentations, demonstration, persuasive, and informative speeches. Logical organization is stressed during the writing (including 6 + 1 trait writing) and speaking phase of this course.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
APPLIED ENGLISH	11-12	0.5	None	English 2

Applied English is a course which allows the student to explore the language arts areas directly related to life after high school. The students examine today's labor market and consumer affairs. Job related oral and written skills along with those faced on the job are stressed. Forms of literature most often encountered in the work world are stressed. Students review grammar and usage skills necessary to compete in today's world.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
ENGLISH 2	10	1.0	None	English 1

English 2 is a required course that will focus on more nonfiction pieces. This course centers around four themes from our online text: Destiny, Taking a Stand, Technical Difficulties, and The Human Connection. Students will get a closer look at comprehension strategies, writings with citations, and persuasively speaking in regards to literature covered in class. They will read from a variety of literature formats.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
CREATIVE WRITING	11-12	0.5	None	English 2

Creative Writing is designed to provide students with the opportunity to explore the basic types of writing. Students analyze the development of short stories, plays, memoirs, and poetry. Students write examples of each form and are required to maintain a journal. Basic grammatical and usage skills are reinforced throughout the course. The use of the writing process is emphasized. Students are required to read a novel.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
FUNDAMENTALS OF COMPOSITION	12	0.5	None	English 2

Students are required to demonstrate competence in the basic forms of expository writing. Students are required to read a novel and form examples from both nonfiction and fiction works. Oral communication skills are used in discussion and classroom presentation. Grammar and usage practice occurs through exercises and correction of student's own weaknesses.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
LITERARY GENRES	11-12	0.5	None	English 2

Literary Genres is an English elective wherein the student selects a literary discipline to study. Such possibilities could include Wisconsin Literature, Mystery, Science Fiction, or Historical Fiction. Students are required to fulfill a list of tasks that include a variety of written analyses, some oral presentations, related assigned readings, and researching the chosen category. This course is designed to encourage reading as well as allow the student to further explore material in which they are truly interested.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
AP ENGLISH – LITERATURE & COMPOSITION	11-12	1.0	Exam fee	American Lit.

AP English- Literature and Composition is a challenging course which focuses on reading, writing, and critically analyzing literature. This course is designed for the college-bound student with a strong command of reading and writing skills. Students will be evaluated primarily on their ability to read and analyze various pieces of literature. Units will include several novels, poetry, drama, and short stories. Reading will be assigned prior to the start of the

course. Students who elect to take the AP exam in May, will be eligible for college credit. Approximate cost of the exam is \$100.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
AP LANGUAGE & COMPOSITION	11-12	1.0	Exam fee	None

This course focuses on building students' understanding and appreciation of how writers use their words to convey meaning and impact readers. The course engages students in becoming skilled readers of prose written in a variety of rhetorical contexts and at a varying degree of difficulty, and in becoming skilled writers who compose for a variety of purposes. This course is skills-based and will prepare students to be successful on the AP Language exam and for college-level writing.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
AMERICAN LITERATURE	11	1.0	Purchase of a Novel	English 2

This required course focuses on American Literature and society. Emphasis will be placed on the critical and analytical interpretation of American literary selections as they relate to the development of our country. Aside from reading the literature, students will focus on various writing assignments and conventional rules as they apply.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
COLLEGE SPEECH- UWO	11-12	0.5	UW Tuition For college Credit (approx. \$400) and Purchase of Textbook	Intro to Speech Communications and Must meet criteria

Fundamentals of Public Address (133) are the examination of the principles of oral message preparation and presentation. Students will prepare and present actual public communication. A University of Wisconsin Green Bay faculty member teaches this course. ***Students pay a prorated portion of the UW tuition as determined by LCASD to receive college credit. Students may be required to purchase a required text for the course.***

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
HEROES & VILLAINS	10-12	.5	NONE	NONE

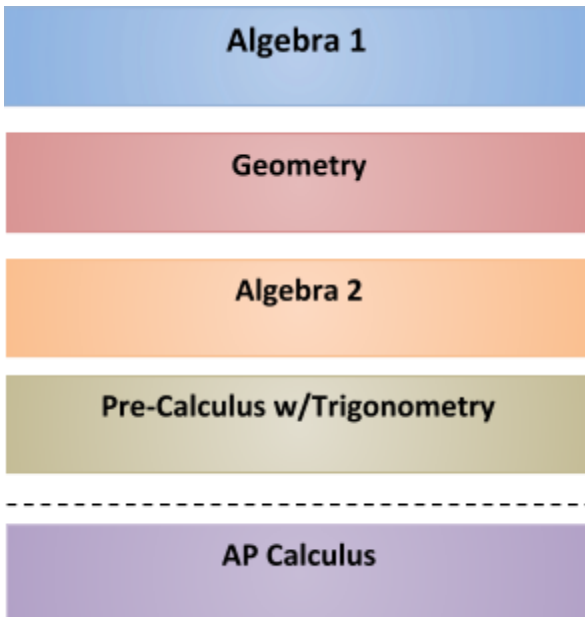
The entertainment industry has done their best to provide society with an overwhelming amount of stories that tell the story from the antagonist's perspective (*Hook* or *Maleficent*, for example). What is the villain's side of the story? What if everything we thought we knew was wrong? This course will seek to examine this issue from all sides. What makes someone a hero? What causes someone to be defined as a villain? Throughout this reading course, we will examine the idea of what it means to be a hero versus a villain in our culture, through comic books, graphic novels, fairy tales, short stories, novel excerpts, and news articles.

Mathematics Department

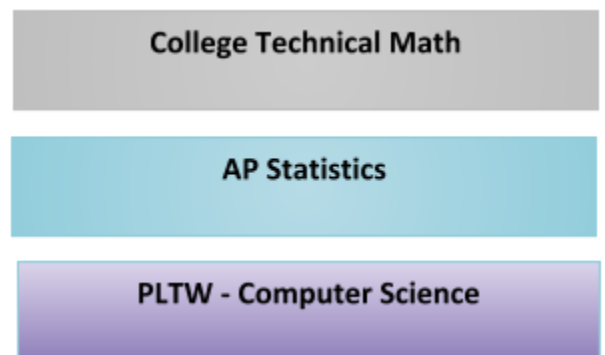
Recommended Course Pathway

	Manufacturing, Technology, and Engineering	Health Services	Computer Science
Year 1	Algebra	Algebra	Algebra
Year 2	Geometry & Algebra 2	Geometry	Geometry PLTW-Computer Science Essentials
Year 3	PreCalculus or College Technical Math	Algebra 2	Algebra 2 PLTW-Computer Science Principles
Year 4	AP Calculus	PreCalculus AP Statistics	Pre-Calculus

Math Sequence



Math Electives



Recommended to reach this point to increase success on the ACT

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
ALGEBRA 1	9	1.0	None	None

Students are introduced to the basic structure of Algebra. The following topics are covered throughout Algebra 1:

functions, solving equations, writing and graphing equations of lines, properties of exponents, sequences, exponential functions, quadratic functions, and linear inequalities. Student evaluation is based on proficiency in content standards. Students should take this as their first math course in high school unless they have successfully completed Algebra (A or B average) in eighth grade. ***A TI-83/83+ or TI-84/84+ Graphing Calculator is required for this class. Rental is available at a cost of \$20 per semester.***

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
GEOMETRY	9-10	1.0	None	Algebra 1

Geometry explores the properties of points, lines, surfaces, and solids. This course includes: Methods of reasoning and proof, logic, parallel lines and planes, congruent and similar polygons, right triangle trigonometry, circles, and coordinate geometry. Student evaluation is based on proficiency in content standards. ***A TI-83/83+ or TI-84/84+ Graphing Calculator is required for this class. Rental is available at a cost of \$20 per semester.***

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
ALGEBRA 2	10-12	1.0	None	Algebra 1 & Geometry

In Algebra 2, students learn how to analyze mathematical functions completely. The first unit will cover general function concepts that will be used throughout the remainder of the course. These general concepts include: domain and range, continuity, increasing & decreasing behavior, boundedness and extremes, symmetry, asymptotes, and end behavior. The first unit will also include building new functions from old functions, inverse functions, transforming functions graphically, and using functions to model real-life situations. Following the first unit, each successive unit will cover specific families of functions including linear functions, quadratic functions, polynomial functions, rational functions, exponential and logarithmic functions, radical functions, and absolute value functions. Student evaluation is based on proficiency in content standards. ***A TI-83/83+ or TI-84/84+ Graphing Calculator is required for this class. Rental is available at a cost of \$20 per semester.***

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
PRE-CALCULUS/TRIGONOMETRY	10-12	1.0	None	Algebra 2

Pre-Calculus is for students who are highly motivated and have a very solid foundation of Algebra 2 skills. This is a fast-paced class and students should plan on individual study time outside of class to master the skills and procedures presented in class. This course includes the study of functions, exponents and logarithms, circular functions, limits, periodic functions, rates of change, vectors and parametric equations, polar equations and complex numbers, and conic sections. Student evaluation will be based on proficiency in content standards. Pre-Calculus is strongly recommended for college bound students. ***A TI-83+ or TI-84+ Graphing Calculator is required for this class. Rental is available at a cost of \$20 per semester.***

AP CALCULUS	<u>Grade</u> 10-12	<u>Credit</u> 1.0	<u>Course Fee</u> exam fee	<u>Prerequisite</u> Pre-Calculus & Trigonometry
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AP Calculus investigates the key mathematical concepts of the function, the limit, the derivative, and the integral. These concepts are discussed from a geometric, numerical, and analytical perspective. These concepts are used to explore applications within the fields of mathematics, the physical sciences, engineering, the social sciences, and the biological sciences. Student evaluation will be based on proficiency in content standards. **A TI-83/83+ or TI-84/84+ Graphing Calculator is required for this class. Rental is available at a cost of \$20 per semester.**

COLLEGE TECHNICAL MATH**	<u>Grade</u> 11-12	<u>Credit</u> 1.0	<u>Course Fee</u> None	<u>Prerequisite</u> Geometry
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College Technical Math includes solving linear, quadratic, and rational equations; graphing; formula rearrangement; solving systems of equations; percents; proportions; measurement systems; computational geometry; right and oblique triangle trigonometry; trigonometric functions on the unit circle; and operations on polynomials. Emphasis will be on the application of skills to technical problems.

**=FVTC Advanced Standing Course

PLTW – Computer Science Essentials	<u>Grade</u> 9-12	<u>Credit</u> 1.0	<u>Course Fee</u> exam fee	<u>Prerequisite</u> None
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Computer Science Essentials will expose students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. In Computer Science Essentials, students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps and develop websites, and learn how to make computers work together to put their design into practice. They'll apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them.

MATH STRATEGIES ALGEBRA	<u>Grade</u> 9	<u>Credit</u> 0.5	<u>Course Fee</u> None	<u>Prerequisite</u> Staff Approval
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Math Strategies is a supplemental class tied to Algebra that uses a small group instructional setting to preview and review the mathematical essential skills, each day, prior to the students entering the general education classroom.

MATH STRATEGIES GEOMETRY	<u>Grade</u> 10	<u>Credit</u> 0.5	<u>Course Fee</u> None	<u>Prerequisite</u> Staff Approval
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Math Strategies is a supplemental class tied to Geometry that uses a small group instructional setting to preview and review the mathematical essential skills, each day, prior to the students entering the general education classroom.

<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
10-12	1.0	Exam Fee	Algebra 2

AP STATISTICS

This is a college level course designed to give students a deeper understanding of the processes and rationale behind the collection and analysis of data. Students will be expected to go beyond calculations to interpret and explain methodology and results. Topics include: collection methods, pictorial and numerical descriptions of data, hypothesis testing, complex probability, and appropriate reporting of results.

Music Department

Recommended Course Pathway

	Communication	Human Services and Education
Year 1	Symphonic Band LC Chorus Music Theory 1 Life in Music Career Exploration	Symphonic Band LC Chorus Music Theory 1 Life in Music Career Exploration
Year 2	Symphonic Band LC Chorus Music Theory 2 Life in Music Career Exploration	Symphonic Band LC Chorus Music Theory 2 Life in Music Career Exploration
Year 3	Wind Ensemble Mustang Choral Chamber Singers Music Theory 1 Life in Music Career Exploration	Wind Ensemble Mustang Choral Chamber Singers Music Theory 1 Life in Music Career Exploration
Year 4	Wind Ensemble Mustang Choral Chamber Singers Music Theory 2 Life in Music Career Exploration	Wind Ensemble Mustang Choral Chamber Singers Music Theory 2 Life in Music Career Exploration

LC SYMPHONIC BAND

Grade
9-12

Credit
1.0

Course Fee
\$20 Percussionists
\$50 for Musicians
Playing school
owned Instruments

Prerequisite
Prior MS/HS
band program
experience
or consent of
Instructor

The LC Symphonic Band is an instrumental ensemble that focuses on building comprehensive musicianship skills through performance. Although the group is non-audition, students must have prior experience in the LCMS Band Program OR consent of the instructor. The instrumentalists will develop skills in music reading and tone production. The LCSB members will demonstrate their skills in a variety of performances and activities throughout the school year including a Homecoming halftime routine, winter and spring concerts, solo ensemble, parades and pep band appearances for athletic events. LC Symphonic Band is a semester long course, but it is highly recommended that a student enroll in the course for the full school year, as instrumentation changes impact the ensemble sound. Please note: Student interest in LC Symphonic Band and Mustang Chorale or LC Chorus can work out a Day1/Day 2 schedule with the instructors

WIND ENSEMBLE	<u>Grade</u> 9-12	<u>Credit</u> 1.0	<u>Course Fee</u> \$20 Percussionist \$50 for musicians playing school instruments	<u>Prerequisite</u> LC Symphonic Band; Audition or MS band
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The Wind Ensemble is an advanced instrumental ensemble. Prerequisites include past band experience and audition. Performances include Homecoming halftime routine, winter and spring concerts, solo ensemble, parades and pep band appearances for athletic events. These instrumentalists will perform advanced concert band literature. Further development and study of intonation, rhythm, tone production and sense of ensemble is the main focus of this class.

Please note: Students interested in Wind Ensemble and LC Chamber Singers can work out Day 1 /Day 2 schedule with the instructors.

MUSTANG CHORALE	<u>Grade</u> 11-12	<u>Credit</u> 1.0	<u>Course Fee</u> None	<u>Prerequisite</u> None
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The Mustang Chorale is a non-auditioned, mixed choral ensemble that focuses on building comprehensive musicianship skills through performance. These singers will develop skills in music reading, vocal production, and sight-singing. The Mustang Chorale will demonstrate these skills in three public performances each year, including the *Autumn Choral Concert*, *Christmas Concert* and *Spring concert*. Mustang Chorale is a semester course that is offered throughout the entire year. Note: Students interested in LC Symphonic Band and Mustang Chorale can work out a Day 1/ Day 2 schedule with the instructors.

NOTE: Participation in Mustang Chorale and/or Chamber singers WILL NOT be affiliated with the Fall School Musical. The Musical will be an Extra-Curricular offering for any student to audition and potentially participate.

LC CHAMBER SINGERS	<u>Grade</u> 9-12	<u>Credit</u> 1.0	<u>Course Fee</u> None	<u>Prerequisite</u> LC Chorus or Mustang Chorale; Audition
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The LC Chamber Singers is an advanced mixed choral ensemble. These singers will sing highly advanced choral literature from many diverse styles and musical periods. The LC Chamber singer will also build upon skills previously learned in Mustang Chorale by exploring historical backgrounds of pieces and advance sight-reading skills. In order to be part of this group, students need to have completed at least 1 semester of Mustang Chorale. After students have completed a semester of Mustang Chorale, students will have the opportunity to audition to be a part of LC Chamber Singers.

Note: Students interested in Wind Ensemble and LC Chamber Singers can work out a Day 1/Day 2 schedule with the instructors.

LC CHORUS	<u>Grade</u> 9-10	<u>Credit</u> 1.0	<u>Course Fee</u> None	<u>Prerequisite</u> None
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The *LC Chorus* is an non-auditioned mixed (men and women) vocal ensemble. In this course, we will continue exploring our voices and establishing quality vocal technique while preparing for our concerts. We will perform at 3 concerts throughout the year and have opportunities to collaborate with our other LC Choirs. The *LC Chorus* is open to anyone in grades 9-10 who is interested in singing in choir. Whether it's your first time joining us or you have sung in an LC Choir before, consider joining *LC Chorus* for a ton of fun, family, and singing.

LIFE IN MUSIC: CAREER EXPLORATIONS	<u>Grade</u> 9-12	<u>Credit</u> 0.5	<u>Course Fee</u> None	<u>Prerequisite</u> None
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This course is specifically for students considering the music career pathway. In this course, students design their own curriculum based on their chosen pathway in music. Through a Project Based Learning format, students will be able to explore their content, experience unique career opportunities, and delve deep into the field they wish to pursue. Suggested areas of study are: Music Education, Music Performance, Music Business/Marketing, Music Therapy, Sound Engineering/Music Producing, Music Ministry, Composition, and Conducting. Other areas of study can be discussed and determined on a case to case basis. Contact Mr. Tim Van Eperen with any questions.

MUSIC THEORY 1	<u>Grade</u> 9-12	<u>Credit</u> 1.0	<u>Course Fee</u> None	<u>Prerequisite</u> None
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Have you ever wondered about the inner workings of music? Explore the depth of music in this introduction to music theory course. In this class, you will experience sound in its fullest form. Through listening, writing, and discussing music, you will be exposed to the framework in which all music is created. Whether you play an instrument, sing, compose, or are an avid music listener, this course will provide a next level musical experience that will be sure to enhance your understanding and appreciation of music.

Physical Education and Health Department

Recommended Course Pathway

	Health and Science	Education and Human Services
Tier1	Health Class	
Tier 2	Nutrition Class	Trends
Tier 3	Advanced Strength and Conditioning	Lifetime Sports and Fitness

One and one-half (1-1/2) credits of Physical Education are required of every student to meet graduation requirements over the course of 3 years. A written medical excuse from the doctor and the PE Health Examination form must be completed for medical conditions/emergencies lasting more than 1 day. During the term of the medical excuse, the student must report and remain in class unless the instructor and/or administration have made other arrangements. Medical absences are dealt with on an individual basis. Students on medical absence need to make up the days at the teacher’s discretion. They may include, but is not limited to cardio, paper(s), projects, or assisting in the class in some way. In most cases, make-up days will be made up doing cardiovascular activities.

TIER 1

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
PE 9-10	9-10	0.5	None	None

This is an introductory course, intended to lay the foundation of future team sports. Units of study are personal fitness, soccer, basketball, volleyball, and the last unit will be determined by space, weather, and student interest. Fitness testing occurs once per term and successful completion of both participation and the fitness testing is required to pass the course.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
INTRODUCTION TO PERSONAL FITNESS/ STRENGTH AND CONDITIONING	9-12	0.5	None	None

Introduction to Personal Fitness will allow students to understand the influence of lifestyle on health and fitness. Students will create a plan to improve present fitness levels. The introduction of the 5 components of fitness, the F.I.T.T. principle will be used to help create these individual programs while improving the physical, social, cognitive and mental well being of the students. The other offering within the class is the Intro to Strength and Conditioning portion. This section is geared towards athletes who want to maintain their athletic fitness/strength levels while they are in season. Students will have individualized workouts created to manage their strength, agility, explosiveness, fitness levels, and athletic abilities. Additional emphasis will be placed on muscle, bone and exercise identification, along with proper safety protocol within the Fitness Center.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
RACQUET SPORTS	9-12	0.5	None	None

Racquet sports will expose students to a variety of racquet sports to help students understand the line between physical activity and good health. The sports included in this course will be badminton, pickle ball, eclipse ball, and table tennis. Fitness testing occurs once per term and successful completion of both participation and the fitness testing is required to pass the course.

TIER 2

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
TEAM SPORTS	10-12	0.5	None	PE 9-10

Team Sports offers students a variety of team sports to help them understand the line between physical activity and good health. The sports included in this course will be volleyball, basketball, flag football, and soccer. Student interests will determine other team sport units. Fitness testing occurs once per term and successful completion of both participation and the fitness testing is required to pass the course.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
ADVANCED STRENGTH AND CONDITIONING	9-12	0.5	None	Intro to Strength/ Summer Weights

Advanced Strength and Conditioning is a course geared to minimize the risk of injury and adequately prepare the student athlete for the demands of competition. The course will improve joint stability, joint range of motion, increase muscular strength, power, enhance movement mechanics and increase energy system functions. Advanced Strength and Conditioning will build on previously learned training methods taught in Intro to Strength and Conditioning. This class provides an excellent opportunity for a student athlete not in a current sport to have daily workouts in speed, mobility, agility and strength to better prepare them for their upcoming season. Students will track their progress through their individualized programs and scheduled assessments. . This course is made for any student athlete who wants to compete at a high level and continuously look for ways to improve his/her athletic performance . Advanced Strength and Conditioning requires students to maxout in exercises including the bench, squat, hang clean, and hex bar deadlift. Students will be assessed on their daily activities in class, their exercise technique, safety practices, understanding of movement concepts and improvement on their S.M.A.S.H assessments.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
PE 4	10-12	0.5	\$85/Bowling*	TIER 1

PE IV focuses on lifetime activities. Activities include bowling, team handball, broomball, and speedball. Fitness testing occurs once per term and successful completion of both participation and the fitness testing is required to pass the course. ****This course fee cannot be waived. Please see your school counselor with questions.* *Students must have transportation to the bowling alley.****

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
TRENDS	11-12	0.5	None	TIER 1

A physical education class geared towards exposing students to the various trending games and fitness activities available today. Students in this class will have fun exploring trendy new games such as GaGa Ball, Bean Bag Toss, Spikeball, Frisbee 21, Garbage Ball, Tchoukball, Yard Golf, etc. Beyond these trendy games, students will participate in lifetime fitness activities such as Yoga, Tae Bo, Crossfit Training, Pilates, Step Aerobics, Zumba, and other fitness trends. Fitness assessments will be taken once per term. Students will be expected to change for this course.

TIER 3

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
LIFETIME SPORTS AND FITNESS	11-12	0.5	\$85	Transportation

An offsite Phy Ed class designed for juniors and seniors to become more aware of lifetime sports opportunities in the local community. Units may include but are not limited to Disc Golf, Golf, Sand Volleyball, Horseshoes, Bean Bag Toss, Archery, Riflery, Cycling, Nature Walks, Bocce Ball, Darts, Billiards, Martial Arts, Self-Defense, Fitness Trends, Table Tennis, Racquetball, Cross Country Skiing, Ice Skating, Skyzone, YMCA, Fishing, Tennis, Rollerblading, and various aerobic activities. Students will be responsible for supplying their own transportation to off-campus activities.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
HEALTH	10-12	0.5	\$25 CPR Fee	None

Health is a required class that covers a broad spectrum of health-related topics to help make students aware of the causes of mental and physical illnesses and their prevention, and demonstrates how lifestyle, perceptions, and decisions affect health. Areas of study include: Mental and Emotional; Growth and Development; Nutrition; Personal Health and Physical Activity; Substance Use and Abuse; Sexuality Education; Communicable and Chronic Diseases; Safety and Injury Prevention; Consumer, Community and Environmental Health. The course may be taken as an elective by any other students.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
Nutrition	10-12	0.5	None	None

Nutrition focuses on appropriate management of activity, diet, and making positive changes in one's health and lifestyle. The course is designed for students who want to make positive choices in personal wellness. Topics will involve the dimensions of nutritional awareness, sports, nutrition relationships of behavioral and physical fitness, and healthy well-being of the family. Students will prepare healthful foods considering dietary needs, and time/money resources. This course also integrates other lifestyle factors, which affect optimal health. This course meets DPI requirements for Food Science Equivalency.

Science Department

Recommended Course Pathway

	Agriculture, Food and Natural Resources	Health Services	Manufacturing, Technology and Engineering	Business Marketing and Administration	Human Services and Education
Tier 1	Physical Science, Biology	Physical Science, Biology	Physical Science, Biology	Physical Science, Biology	Physical Science, Biology
Tier 2	Ecology and Environmental Science, Food and Exercise Science, Chemistry, Earth Science	Chemistry, Anatomy and Physiology, Food and Exercise Science	Physics, Chemistry	Earth Science	Ecology and Environmental Science
Tier 3	AP Biology, AP Chemistry	AP Biology, AP Chemistry, Physics	AP Biology, AP Chemistry		

PHYSICAL SCIENCE

<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
9	1.0	None	None

Physical Science is designed to strengthen scientific reasoning skills, measurement techniques, and safety procedures in the area of physics and chemistry. Physics topics include kinematics (describing speed and acceleration), dynamics (forces and 2D motion), wave mechanics, (general properties, acoustics, and energy). Chemistry topics include atomic structure, the periodic table trends, chemical bonds and reactions. Students also investigate the connections between science technology and society.

BIOLOGY

<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
9-10	1.0	None	None

Biology investigates the facts of biology, concepts, and processes of life through a survey of general biology, and encourages critical thinking, decision-making, and relating of modern biological concepts to the world in which we live, including current events and problems. Topics discussed include cells, genetics, energy, evolution, response and behavior, and ecology. Evaluation is based on daily work, quizzes, labs and lab practical exams, individual written research papers and projects, and oral presentations.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
ECOLOGY & ENVIRONMENTAL SCIENCE	11-12	0.5	\$15 Field Trips	Biology

Ecology and Environmental Science explores the relationships between organisms and their non-living environment. Emphasis is on exploring the influence of human activity (i.e., pollution, fertilizer run-off, etc.) on local waterways with a discussion of how to make smart environmental decisions. Specific course topics include: General ecology and biomes, nutrient cycles, aquatic ecosystems, water pollution, and environmental ethics. Student evaluation is based on participation in field trips, exams, projects, current event presentations, labs, papers, debates, service projects, and final group research presentation. **PLEASE NOTE: SINCE FIELDWORK IS SUCH AN IMPORTANT AND UNIQUE ASPECT OF THIS COURSE, ATTENDANCE ON ALL FIELD TRIPS IS REQUIRED. FURTHERMORE, SOME FIELD TRIPS MAY REQUIRE STUDENTS TO PROVIDE AQUA SHOES OR KNEE-HIGH RUBBER BOOTS FOR THEIR OWN USE.** Fall and spring sports participants must consult their instructor before enrolling to discuss potential early release / field trip conflicts.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
CHEMISTRY 1	10-12	1.0	None	Algebra 1, Biology

Chemistry 1 is an advanced science class which investigates both the composition of substances and the changes which take place in their composition. The various forms of matter and their physical and chemical properties will be discussed. This class will deepen and expand student's knowledge and understanding of the physical phenomena that surround them on a daily basis. Students will learn much of the content through inquiry based experiments and hands-on laboratory activities. Topics to be discussed include the classification of matter, atomic and chemical periodicity, chemical calculations, metals and nonmetals, gas laws, and heat exchange. Students will be assessed using exams, quizzes, projects, daily assignments, textbook activities, and experimental write-ups.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
AP CHEMISTRY (Odd Year)	11-12	1.0	Exam Fee	Chemistry Algebra 2

The AP Chemistry course covers all first year college general chemistry concepts. Chemical concepts from high school chemistry are expanded upon. New topics include rate law, chemical equilibria, acid-base chemistry, thermodynamics, and electrochemistry. This course will prepare students for college level rigor, keeping a lab notebook, and conducting advanced analytical chemical experiments. Students interested in entering the scientific, medical, and engineering fields are encouraged to take the course. The course culminates in the AP Chemistry national test in early May.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
PHYSICS	10-12	1.0	None	Algebra 2, Biology

Physics relates to the physical everyday world and the general laws and forces, which govern the universe. Physics is taught from a mathematical and conceptual perspective, balanced in a way to benefit both those interested in the subject itself. Areas of study include: Kinematics (describing motion), dynamics (forces and projectiles), universal gravitation, energy propagation (heat transfer and waves), and some modern physics including relativity. Lab investigations include a variety of materials ranging from computer probes to water balloon launchers. Student evaluation is based on daily assignments, lab research, lecture, discussion, quizzes, chapter tests, and term projects.

AP BIOLOGY	<u>Grade</u> 10-12	<u>Credit</u> 1.0	<u>Course Fee</u> Exam Fee	<u>Prerequisite</u> Biology, Algebra 1 & Chemistry
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AP Biology is for those students intending to major in this field or related areas. This course differs significantly from the “regular” biology course with respect to the range and depth of material to be covered. The textbooks and required laboratory activities are equivalent to those found in today’s college classrooms, and the workload should be understood to be up to a college standard. Students will spend at least 25% of class time completing lab investigations. AP Biology will provide students with the factual knowledge, conceptual framework, and analytic skills necessary to deal critically with the rapidly changing science of biology. Students who obtain a score of 3 or better on the AP exam in May could receive college credit for the class.

EARTH SCIENCE	<u>Grade</u> 10-12	<u>Credit</u> 1.0	<u>Course Fee</u> None	<u>Prerequisite</u> Physical Science, Biology
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Mapping and meteorology builds upon the lessons of introduction to earth science. The mapping unit serves a two-fold purpose. First, students learn to interpret and construct topographic maps. Second, the mapping unit provides the students with the necessary background to analyze weather maps. The meteorology unit focuses on conceptual understanding of the earth’s atmosphere and its dynamic nature. Upon the completion of the unit, students develop forecasts and complete a research project based upon a specific weather phenomenon of interest. Assessment activities include lab investigations, quizzes, tests, and project-based assignments.

HUMAN ANATOMY & PHYSIOLOGY	<u>Grade</u> 11-12	<u>Credit</u> 1.0	<u>Course Fee</u> None	<u>Prerequisite</u> Biology, Algebra 1, Chemistry
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Human Anatomy and Physiology presents the structure and function of the human body, designed particularly for students interested in a career in the health or medical field. Emphasis on specific body organ systems is explored through a variety of hands-on dissections, including a semester-long dissection of the fetal pig. Furthermore, enrolled students will have the opportunity to work with real human cadavers at St. Norbert College. Student assessment is based on exams, projects, debates, current event presentations, group presentations, labs, web quests, dissections, a fetal pig photo journal, a research paper, and a life-size paper human paper model.

FOOD & EXERCISE SCIENCE	<u>Grade</u> 11-12	<u>Credit</u> 0.5	<u>Course Fee</u> None	<u>Prerequisite</u> Biology
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This course is designed for any student with the desire to learn more about the science behind food, in addition to exercise physiology. Students will learn about various nutrition topics, including food energy; the biochemistry of proteins, lipids and carbohydrates; the efficacy of fad diets; and the scientific basis of a variety of exercise regimens. Assessment is based on a constructivist model, wherein students become active participants in their learning by participating in various health and fitness activities, delivering super food and workout presentations, and completing various projects that have students demonstrate what they’re learning.

Social Studies Department

Recommended Course Pathway

	Health Services	Education and Human Services	Business, Marketing, and Administration
Tier 1	World History Global Studies US History	World History Global Studies US History	World History Global Studies US History
Tier 2	Economics Psychology AP Psychology Current Events	Economics Psychology AP Psychology Current Events Political Science	AP World History Economics Psychology AP Psychology Political Science

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
WORLD HISTORY	9	1.0	None	None

World History is a required freshman course. This course focuses on the history of the civilizations of the Eastern Hemisphere, with an emphasis on the cultures of Western Europe. The social studies concepts of history, geography, economics, and political science are introduced and explored throughout the course. The course is designed to help students develop an understanding of the creation of civilization and important events throughout the world that have led us to the current status of the world today. **A student may take AP-World History in place of this course based on teacher / student discretion.**

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
AP- WORLD HISTORY	9-12	1.0	exam fee	None

The AP World History course focuses on developing students' understanding of world history from approximately 8000 BCE to the present. The course has students investigate the content of world history for significant events, individuals, developments, and processes in six historical time periods, and develop and use the same thinking skills and methods employed by historians when they study the past. The course also provides five themes (interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; development and transformation of social structures) that students explore throughout the course in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania.

***9 eligible at teacher / student discretion.**

CURRENT EVENTS	<u>Grade</u> 10-12	<u>Credit</u> 0.5	<u>Course Fee</u> None	<u>Prerequisite</u> None
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Current Events enhances and develops an awareness and appreciation of the “current issues” that shape our world. Current events are interpreted through a historical framework with an awareness of political relevancy. Local, national, and global issues will be analyzed from cultural, economic and social perspectives. The text includes a weekly newsmagazine, a daily newspaper and electronic media (CNN, Internet, etc.)

ECONOMICS	<u>Grade</u> 10-12	<u>Credit</u> 0.5	<u>Course Fee</u> None	<u>Prerequisite</u> None
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This course will give the students a greater understanding of economics ranging from the viewpoint of the individual consumer or small business owner to the global economy. The course will study the law of supply and demand, forms of business, labor unions, government finances and influence on the economy, money and prices, inflation and deflation cycles. The course relates history and politics to the study of economics.

POLITICAL SCIENCE	<u>Grade</u> 10-12	<u>Credit</u> 0.5	<u>Course Fee</u> None	<u>Prerequisite</u> None
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Political Science will be offered in the first term of election years as it lends itself to the examination and discussion of campaigns and issues that will seem much more relevant to students during those terms. It should also be offered in the Block format to fit the time frame of elections. Political Science develops an awareness and knowledge of the structure and operation of the American political system. The course is designed to provide students with hands on activities, role play exercises, and discussion opportunities to help develop this understanding of the political process. Students will engage in debates, a mock election, and have opportunities to examine their political views, as well as how closely politician candidates and parties align to those views. Political Science provides an opportunity to understand the various methods students can engage in civic participation and make a difference in society.

PSYCHOLOGY	<u>Grade</u> 10-12	<u>Credit</u> 0.5	<u>Course Fee</u> None	<u>Prerequisite</u> None
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This course provides the students with an opportunity to increase his/her knowledge of human behavior and cognitive processes each individual displays. Introduction to Psychology focuses on human development and discovering the world through cognition, thinking, memory, and intelligence. Topics explored will be: Historical Origins of Psychology, Psychological Methods, Biology and Behavior, Sensation and Perception, Consciousness (Sleep, Dreams, Sigmund Freud, and Hypnosis, Learning (Operant v. Classical Conditioning). Memory and its Stages, and Psychological Disorders (Schizophrenia, Mood Disorders, Dissociative, Somatoform and Anxiety Disorders).

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
SOCIOLOGY	10-12	0.5	None	None

Sociology is an elective course that studies human society and social behavior. Positive human relationships are an essential part of a civilized society and how we interact with each other and solve problems in our world.

“Sociology teaches us to look at life in a scientific, systematic way.” The way that we view the world comes from what we learn in our everyday activities. “The values, beliefs, lifestyles of those around us, as well as historic events help to mold us into unique individuals who have varied outlooks on social reality.” This course deals with the social atmosphere that helps to make us who we are and how we behave. Sociology will cover topics such as culture, deviance, social control, socialization and personality, group behavior, and social institutions. The key component of this course is to study ourselves and the society that influences our behavior. Sociology is an activity, discussion based course.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
GLOBAL STUDIES	10	0.5	None	World History

Global Studies is a required class for all 10th graders. If a student takes AP World History as a freshman or sophomore, he/she does not have to take this course. In this required course, students will research and analyze non-western regional geography and historical backgrounds. This course is designed to explore current issues facing non-western world countries. The course also explores the issue of America’s connectedness to these countries and actions necessary to create a better global environment. Issues include economic globalization, environmental and humanitarian concerns, as well as conflict and terrorism. **Students must also take 1 other elective (0.5 credits) from other Social Studies during 10th grade.**

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
AMERICAN HISTORY	11-12	0.5	None	Successful completion of 10 th grade Requirements

Semester 1 (Pre-Columbian 1492 to the Industrial Revolution 1870’s) is a required course for all 11th graders.

This 0.5 credit course will encompass the major events and concepts that occurred over 400 years of what is known as American History. Students will critically think about the intellectual, social, political and economic development from this time period of history.

Semester 2 (American Imperialism to modern American Issues) is a required course for all 11th graders. This 0.5

credit course will encompass the major events and concepts that have developed over the past 140 years of our nation’s past. Students will critically think about the intellectual, social, political and economic development from this time period of history.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
AP US HISTORY	10-12	1.0	Exam Fee	None

AP US HISTORY

This AP United States History course is a two-semester survey course designed on the model of college- level surveys. The primary goal of the course is to prepare students to earn college credit by earning a passing score on the AP United States History exam. The course covers the history of the United States from the first British settlement at Jamestown in 1607 through the 1980s. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents, and historiography.

<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
10-12	1.0	Exam Fee	*See Below

AP PSYCHOLOGY

The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Coursework in biology and regular psychology are helpful, but not a requirement. Admission to the course is based on teacher approval and an academic history consistent of a student on a college-preparatory path.

***It is recommended that you take regular Psychology and Biology before taking AP Psychology**

Manufacturing and Engineering Department

Manufacturing/Engineering recommended course sequence by student grade. You may advance one grade level in sequence depending on academic standing.

Recommended Course Pathway

Time	Manufacturing	Science, Technology, Engineering, and Math	Architecture and Construction
Year 1	Foundations of Manufacturing and Engineering Metals 1 Woodworking 1 Mechanical Drawing 1	PLTW - IED Foundations of Manufacturing and Engineering Metals 1 Woodworking 1 Mechanical Drawing 1	Foundations of Manufacturing and Engineering Mechanical Drawing 1 Metals 1
Year 2	Mechanical Drawing 1 Mechanical Drawing 2 Metals 1 Metals 2 Woodworking 1 Woodworking 2	PLTW - POE Mechanical Drawing 1 Mechanical Drawing 2 Metals 1 Metals 2 Woodworking 1 Woodworking 2	Mechanical Drawing 1 Architectural Design 1 Woodworking 1 Metals 1 Metals 2
Year 3/4	Mechanical Drawing 2 Metals 2 Metals 3 Machine Tool Youth Apprenticeship	Intro to Engineering (UW-Fox Valley) Mechanical Drawing 2 Metals 2 Metals 3 Machine Tool Youth Apprenticeship	Mechanical Drawing 2 Architectural Design 2 Woodworking 2 Metals 2 Metals 3 Youth Apprenticeship

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
METALS 1	9-12	0.5	\$35	None

Metals 1 will provide students experience in machining, welding, and cutting process. Students will focus their time in this course on welding techniques and basic welding joints using both GMAW(Wire-feed) and SMAW(Stick) processes. Students will also learn to use PlasmaCAM to cut parts using the computer. Students will apply the skills they learn in their term projects.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
METALS 2	10-12	0.5	\$35+Material Cost	Metals 1 Mechanical Drawing 1

In Metals 2, the student continues their training in the metals field. Approximately ½ of the course will be the FVTC Intro and Safety Welding course as dual credit and free to the student. This will focus on basics of welding safety and prepare them for the FVTC Welding program. In welding we will focus on learning to interpret welding symbols and weld in different positions. Students will have a very large portion of the course dedicated to Projects in Metals 2 and those projects tailored to meet the student’s interests and career goals.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
METALS 3 – FVTC	11-12	1.0	\$35	Metals 2 / Instructor Approval

Metals 3 is 4 credits of FVTC welding courses; Welding Print Reading, Welding Symbols, and GMAW Techniques 1. This will be taught as dual credit and the credits are free for the student. Students that take both Metals 2 and Metals 3 and pass all FVTC courses will receive the Basic GMAW Welder Certificate from FVTC. This course will be a semester long for a block. Students will visit FVTC to test welds and work through some of the Labs. Students will only work on projects if time permits.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
WOODWORKING 1	9-12	0.5	\$50	None

Woodworking 1 is an entry level course which deals with the proper and safe use of conventional woodworking equipment. Students will develop basic woodworking skills by constructing a useful project.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
WOODWORKING 2 1	10-12	1.0	Cost of Materials for Project	Woodworking Mechanical Drawing 1

Woodworking 2 is an advanced course that deals with design elements and quality construction. Advanced joinery and machine set-ups are discussed and used where appropriate. Students have access to all drawing software used for the CNC (Computer Numerical Controlled equipment) Router and Laser Engraver.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
MANUFACTURING	10-12	0.5	Cost of Materials used in projects	Woodworking1 Mechanical Drawing 1

Manufacturing will provide students with a hands-on look at the manufacturing industry. Students are introduced to a variety of mass production materials, processes, and concepts. Using conventional woodworking machines, laser engraver, and Computer Numerical Controlled (CNC) Equipment, students will develop a project and set up a manufacturing enterprise to research, design, mass produce, and market a useful product.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
MECHANICAL DRAWING 1 – FVTC	10-12	0.5	None	None

Mechanical Drawing 1 concentrates on developing basic drafting skills. Units covered include sketching, instruments, lettering, symbols, geometric construction, orthographic projection, and pictorial drawings.

Students that have successfully completed Mechanical Drawing I with a minimum grade of a “B” will receive 4 (Free of Charge) “Dual Credits” with Fox Valley Technical College. These FVTC courses include...

10-606-141	Introduction to Solidworks	2 credits
10-606-151	Sketching and the Design Process	1 credit
10-606-152	CAD (Computer Aided Design) and Geometric Constructions	1 credit

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
MECHANICAL DRAWING 2 – FVTC	10-12	0.5	None	Mechanical Drawing 1

Mechanical Drawing 2 is a continuation of Mechanical Drawing 1. Units covered include dimensioning, auxiliary views, section views, intersections and developments, assembly drawings, detail drawings, as well as a design project.

Students that have successfully completed Mechanical Drawing 2 with a minimum grade of a “B” will receive 3 (Free of Charge) “Dual Credits” with Fox Valley Technical College. These FVTC courses include...

10-606-139	Intro to Autodesk Inventor	2 credits
10-606-153	Multiview Projections	1 credit

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
ARCHITECTURAL DESIGN 1	10-12	0.5	None	None

Architectural Design 1 concentrates on the study of residential design and construction. Students will design a set of plans. The plans include presentation drawings, electrical plans, roofing plans, and elevation drawings.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
ARCHITECTURAL DESIGN 2	10-12	0.5	\$20	Architectural Design 1

Architectural Design 2 is a continuation of Architectural Design 1. Upon completion of all drawings, the student will develop a model of that house.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
FOUNDATIONS OF MANUFACTURING & ENGINEERING	9-12	0.5	\$20	None

FME is an introduction to the Manufacturing and Engineering courses available at LCHS. In the Drafting portion of this course, students are introduced to Visualization and Technical Sketching techniques used to complete worksheets on graph paper. In the Metals Manufacturing portion of the course, students will be introduced to basic welding, simple cutting processes, and basic fabrication. Students will also produce a small welding project. In the Woodworking portion of this course, students will learn how to safely use tools and equipment to produce an item. Students may also work with drawing software to utilize the Laser Engraver and/or (CNC Computer Numerical Controlled equipment) Router.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
MACHINE TOOL JUMP START – FVTC	11-12	0.5	\$20	None

A specialized program with FVTC, where the student receives college credit and gets an early start in the Machining field. Courses include: Measurement and Benchwork 1, Engine Lathe 1, and Blueprint Reading for MTO.

Visual Arts Department

Recommended Course Pathway

	Communication and Information Systems	Human Services and Education	Manufacturing, Technology, & Engineering
Year 1/2	Art 1, Art 2, Media Productions	Art 1, Art 2, Media Productions	Art 1, Art 2
Year 2/3	Art 2, Digital Art, Digital Photography, 2D Art, 3D OR Ceramics	Art 2, 2D OR Drawing & Painting, 3D OR Ceramics	Art 2, 2D, 3D
Year 3/4	2D Advanced, 3D or Ceramics, Independent Art (with instructor approval)	Digital Art OR Digital Photography	2D/2D Advanced 3D/3D Advanced
Additional Electives	3D Advanced Drawing & Painting (Independent Art with instructor approval)	2D Advanced, 3D Advanced, Independent Art (with instructor approval)	Digital Art Ceramics (Independent Art with instructor approval)

ART 1

<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
9-12	0.5	\$25	None

Art 1 is a general overview of art and is for the student desiring a basic knowledge of good design and the elements and principles of art. It is also beneficial for students pursuing any of the art related career pathways and is also required for all students who want to take other art classes. Students will hone basic drawing skills and will be introduced to color theory, perspective, painting and painting techniques, basic sculptural techniques, etc. Projects may include sketches, drawings, paintings, watercolors, clay projects, etc. They will use a sketchbook in class. Participation on the art show is strongly encouraged.

ART 2

<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
9-12	0.5	\$25	Art 1

Art 2 is a continuation of Art 1 recommended for students with a general interest in art. It is also beneficial for students pursuing any of the art related career pathways and is required for all students who want to take other art classes. The elements and principles of design are reviewed and an overview of art history from Ancient to Modern Man is studied. Art 2 projects may include: drawings, printmaking, clay relief sculptures, watercolor and acrylic media. Students are strongly encouraged to participate in the art show.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
MEDIA PRODUCTIONS	9-12	0.5	None	None

MP students will learn about the elements and principles of design in relation to the media arts including: video, audio, print media, animation, and commercial advertising. They will learn to use computers, software, and digital equipment to film, edit, and produce short video segments, commercials, and animations. Students will also have the opportunity to learn about layout and design in terms of print media and advertising. Areas explored include commercial arts, animation, digital storytelling, print media, and movie making. They will also analyze and critique current media and films verbally and in written format.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
DIGITAL ART	9-12	0.5	\$10	Art 1

Students will use computers, hardware, software, internet, and other media resources to create original and unique artworks as they learn how to use computers as their studio/canvas. They will learn the elements and principles of art in relation to the digital world, experimenting with composition, layout, typography, graphic design, and incorporating studio arts into the digital realm. A brief overview of how digital art and design has changed over the course of the past several decades will be explored.

Advanced Art Sequence

The advanced art sequence is for the serious art student who may pursue additional career training in technical school or college in commercial art, the printing and publishing industry, architecture, drafting, interior design, fashion design or merchandising, advertising, or public relations as a graphic designer, photographer, industrial designer, in the fine arts, in museum work, or in art education.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
2-DIMENSIONAL ART	10-12	0.5	\$30	Art 1 & Art 2

2-Dimensional Art emphasizes the relationship between drawing, painting, printmaking and mixed media design. The student will study compositional design and fine art appreciation focusing on two main branches of art: realism and abstraction. Projects will include work with pencil, pen/ink, pastels, watercolors, acrylic and/or oil painting techniques. Students are strongly encouraged to participate in the art show.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
3-DIMENSIONAL ART	10-12	0.5	\$30	Art 1 & Art 2

3-Dimensional Art continues studies in composition and design with an emphasis on three-dimensional space. Sculpture in art history is reviewed and students are introduced to past and contemporary three-dimensional artists and their work. Projects may include: handmade paper, plaster, multimedia sculpture, clay, wire, and woven fibers. Students are strongly encouraged to participate in the art show.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
3-DIMENSIONAL ADVANCED	10-12	0.5	\$35	3D Art

3-Dimensional Art-Advanced includes more activity in detailed assemblages. Constructions of mobiles and plaster and clay sculptures will be explored. Basic jewelry making and stained glass designs, along with glass etching details, will be studied. The history of multicultural mask-making techniques will be explored.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
DRAWING & PAINTING	10-12	0.5	\$30	Art 1 & Art 2

Drawing & Painting students will study composition, design, and fine arts appreciation. Masters of drawing and painting from the 1800's to the present day will be studied to obtain an appreciation of different styles of art and impact artwork has in society. Project media includes pencil, pen/ink, pastels, marker renderings, and watercolor, acrylic and oil paintings. Students will problem-solve using the elements and principles of design to visually create impressions for themselves or others in society.

INDEPENDENT ART	<u>Grade</u> 12	<u>Credit</u> 0.5	<u>Course Fee</u> \$25 and purchase Supplies needed for Matting and framing Of work for the Independent art show requirement
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Prerequisite- Completion of all art classes or a minimum of art 1,2 and some 2D, 3D or digital art experience. Art GPA of 2.5 or higher, consent of instructor. Can take two terms.

*Student enrolling in Independent art MUST be entering a post-secondary, art –related field upon graduation and have completed ALL advanced art classes and have a 2.5 cumulative GPA in visual art classes. Projects include preparation of a portfolio for college or technical school admission or application. Independent art students are expected to be leaders by example when working in the art department. Students present an independent show at the end of term two.

CERAMICS	<u>Grade</u> 10-12	<u>Credit</u> 0.5	<u>Course Fee</u> \$30	<u>Prerequisite</u> Art 1 & 2 or Written request and consent of Instructor
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Ceramics students will develop their skills from Art 1 & 2 in creating hand-built pieces and learn how to throw on the potter’s wheel. They will review elements and principles of design and practice using them in planning and critiquing their own work as well as the work of other artists. Students will plan, create, glaze and critique hand-built pieces using the pinch pot, slab and coil techniques and also produce a combination piece including several techniques. They will also be required to produce wheel-thrown pieces throughout the term. Students will learn a variety of glazing techniques and explore thoughtful ways of embellishing and decorating their ceramic pieces. Students are strongly encouraged to participate in the art show.

DIGITAL PHOTOGRAPHY	<u>Grade</u> 10-12	<u>Credit</u> 0.5	<u>Course Fee</u> \$30	<u>Prerequisite</u> Art 1 & 2 or Written Request & Consent of Instructor
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Digital photography students will study the history and development of photography as well as the elements and principles of good design. They will learn how to use a digital SLR camera and how to process digitally. Digital photography students will be able to produce quality photographs using basic and advanced editing tools and techniques in Adobe Photoshop. Students will learn how to more effectively and creatively express their thoughts and ideas through photographic technique, digital processing and editing, and they will further develop critical thinking and problem solving skills when capturing quality photographs. Students will leave class with a published photography portfolio.

PRINT MAKING	<u>Grade</u> 10-12	<u>Credit</u> 0.5	<u>Course Fee</u> \$30	<u>Prerequisite</u> Art 1 & 2
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An intermediate level printmaking class exposing students to image production from a single design. Emphasis is placed on incorporating the elements and principles of art, design basics, creativity of design and composition, creative use of tools and materials, and originality of work.

Non-Departmental Course Offerings

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
CAREER SKILLS	9	0.5	None	None

Career Skills is a cornerstone course at LCHS in which students are exposed to expectations and skills to be successful both in High School and after graduation. In this process, students will get to know LCHS and its staff, learn about the 8 Little Chute Area School District Outcomes while creating artifacts that demonstrate their grasp of each concept, set up their Portfolio site required for graduation, focus on Life and Career Skills improvement, explore the Career Pathways and develop or build upon their Academic and Career Planning site with Pupil Services.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
COMMUNICATING WITH THE DEAF <i>(Course fee subject to change)</i>	11-12	0.5	None	None

This course provides a foundation of sign language skills and fingerspelling skills to facilitate communication with individuals who are deaf or hard of hearing. Pertinent issues are discussed to broaden an understanding of Deaf culture.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
PUBLICATIONS	11-12	1.0	None	None - Students Can take the class multiple semesters/year and take on roles with more responsibility

Publication offers students an opportunity to produce high quality, visual publications. They fund, design and create the ARCH Yearbooks. These processes give them the unique opportunity to experience life as it were in an actual newsroom: working as a team, meeting deadlines, interviewing and writing articles. Students may be given the opportunity to apply to take on roles such as Editor-in-Chief, Section Editor, Head Photographer and Business Manager.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
CERTIFIED NURSING ASSISTANT	11-12	1.0	\$385+ \$75 for BG check	None

A nursing assistant is an essential member of the healthcare team. This program will help you learn how to provide for the personal care and comfort of people with health problems. You will learn to bathe, dress, feed, mobilize and transport people; obtain pulse and temperature; and report observations and reactions to the health care team. Nursing assistants prepare equipment, take care of the patient's room and keep patient records. In this role, you may assist clients with dementia and rehabilitation needs, and provide restorative care to help them maintain their independence. Upon completion, you'll be ready to take the certification exam. You will have a variety of employment options as a certified nursing assistant.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
MEDICAL TERMINOLOGY	11-12	1.0	\$300	None

Focuses on the component parts of medical terms: prefixes, suffixes and word roots. Students practice formation, analysis and reconstruction of terms. Emphasis on spelling, definition and pronunciation. Introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systemic and surgical terminology.

<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
11 - 12	.5 per term	\$35	
Consent of			

Instructor

Work Experience

School-supervised Work Experience is a course designed to give high school students a chance to choose a career area and explore it through work experience prior to graduation. This experience can be either paid or non-paid volunteer hours. Students will be excused from a portion of the school day for work and will receive elective credits. This is a Term course that can be taken each term for a total of two credits for the year. Students interested must complete an application to be eligible. Students should already be employed or be guaranteed that they will be employed when school starts in September. Staff and prospective employers will screen all applicants. Work Experience requires a student to be responsible, self-motivated, and self-reliant. Successful applicants will be notified of their placement. Mandatory: On average 10 hours of scheduled work per week.

- All students are required to pass a urine analysis testing. Students are responsible for paying for the initial testing directly at the testing site (approximately \$35). The school district pays for those randomly selected for testing thereafter.
- Need to complete an application and be approved through Pupil Services.

<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
11 - 12	.5 per term	\$35	None

Youth Apprenticeship

Youth Apprenticeship is a rigorous 1 or 2 year program that combines academic and technical classroom instruction with mentored on-the-job learning for high school students. It opens doors for students by giving them a chance to “try out” a potential career interest, while allowing them to experience an adult working environment. Youth Apprenticeship provides students with new options for the future! Youth Apprenticeship combines academic instruction, instruction in an occupational area, and paid on-the-job-training.

- Students need to complete an application found in Pupil Services; employers have final hiring decisions.
- Students are released from school one to two blocks per day to work at their job site. Credit toward graduation is granted upon successfully completing the requirements of both the school and the employer.
- All students are required to pass a urine analysis testing. Students are responsible for paying for the initial testing directly at the testing site (approximately \$35). The school district pays for those randomly selected for testing thereafter.

Youth Apprenticeship

YA Program	YA Unit	Related Instruction
Construction	Carpentry	Architectural Design 1, Woods 1 and Woods 2
	HVAC Technician	Found. of Man, Metals 1, 2, 3
	Plumbing	Found. of Man, Metals 1, 2, 3, Architectural Design 1, Woods 1 and Woods 2
	Electrician	Found. of Man, Metals 1, 2, 3, Architectural Design 1, Woods 1 and Woods 2
	Masonry/Concrete	Found. of Man, Metals 1, 2, 3, Architectural Design 1, Woods 1 and Woods 2
Science, Tech, Engin, and Math	Engineering/Drafting	Mechanical Design I/II Architectural Design I/II
Financial Services	Banking	Intro to Business, Business Foundations, Accounting I/II
	Accounting	Intro to Business, Business Foundations, Accounting I/II
	Insurance	Intro to Business, Business Foundations, Marketing I and Marketing II
Health Science	Certified Nursing Assistant	Health Related Careers, People Skills for the Health Care, Anatomy and Physiology, CNA, Medical Terminology
	Dental Assistant	People Skills for the Health Care, Anatomy and Physiology, CNA, Medical Terminology
	Pharmacy Tech	People Skills for the Health Care, Anatomy and Physiology, CNA, Medical Terminology, Chemistry
Hospitality, Lodging, and Tourism	Food & Beverage/ Lodging	Culinary 1, Culinary 2, Baking and Pastry, Multi. Foods
	Sales and Marketing	Intro to Business, Business Foundations, Marketing I and Marketing II
Information Technology	Info Tech Essentials	Computer Apps, Computer Science Essentials
Manufacturing	Industrial Equipment Maintenance	Found. of Man., Metals 1/2/3, Machine Tool Jump Start
	Machining	Found. of Man., Metals 1/2/3, Machine Tool Jump
	Welding	Found. of Man., Metals 1/2/3, Machine Tool Jump

	Production	Found. of Man., Metals 1/2/3, Machine Tool Jump Start
Production Agriculture	Animal Science/Crop Science	Ecology, Environmental Science,
	Vet Technology	Fox Valley Tech, Med Term
	Water Resource Management	Ecology, Chemistry
Transportation	Automotive Technician	Fox Valley Tech
	Diesel Technician	Fox Valley Tech

Early College Credit Programs(Four-year University) /Start College Now (Technical College)

The Youth Options Program provides an opportunity for students in grades 11 and 12 to enroll in post-secondary institutions (colleges, universities, and technical schools) pre-approved courses that are not available in the high school curriculum. Courses are taken for both high school and college credit. Student admission is contingent on meeting entrance requirements and the availability of space. Student’s grades from Youth Options will be calculated in their high school grade point average.

The student is required to apply for this program and must get approval from the School Board. Application for enrollment at post-secondary institutions must be made by March 1 for the fall semester and by October 1 for the spring semester. Students interested in enrolling in a Youth Options course should contact their counselor for information. LCASD policy 343.42, the Youth Options contract, and State Statute 118.33 must be followed.

ADVANCED PROGRAM STUDIES

Juniors and Seniors may take College English, Calculus, Speech, Sociology, and Psychology at LCHS for college and high school credit. Cost will be approximately \$120 per college credit. The program is offered through UW-Oshkosh and UW-Fox Valley, but credits are usually transferable to any North Central Accredited University. Under the revised guidelines, we are able to enroll students in the UW Program as follows:

1. Ranking in the upper 25% of their class - or
2. 3.25 GPA and above (on a 4.0 scale) - or
3. Ranking between the 25% and 50% of their class and have an ACT score \geq 24.

Supplemental Programs

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
INDEPENDENT STUDY	11-12	0.5 or 1.0	None	Approval of Faculty, Counselor & Principal

Juniors and seniors may continue study in an area of special interest by working on an independent study project for credit. If the school counselor approves the proposal and a faculty member agrees to serve as an advisor and evaluator, the student will (upon successful completion of the course) earn academic credit. To qualify for the program, the student must complete an application form and secure all necessary signatures.

Following is a list of guidelines and procedures:

1. Only juniors and seniors are eligible for the program.
2. Application forms must be secured from the counselors.
3. Applications may be submitted at any time to the counselor. Projects are to be completed one week before the end of the term for which credit is to be issued.
4. Independent study for credit MAY NOT replace any of the courses required for graduation.
5. Independent study courses are NOT to be taken in place of regular curricular offerings.
6. A faculty member must serve as advisor, supervisor, and evaluator. The faculty supervisor's approval must be secured before the course begins.
7. The principal will give the final approval.
8. The student will meet with the advisor to establish guidelines for the course. A sequential time schedule for completion of the work and a schedule of regular meetings between the student and teacher will be established.
9. Guidelines for credit will be 0.5 credits given for a minimum of 67 hours of work.
10. The faculty advisor must evaluate the student before credit being issued. A term exam must be a part of the evaluation.
11. A student can pursue one independent study project per term.
12. There must be a culminating experience that allows the student to demonstrate desired outcomes

Courses not offered in 2020-2021

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
PLTW – Computer Science Principles	10-12	1.0	exam fee	None

Computer Science Principles is the PLTW course that covers the College Board’s CS Principles framework. Students work in teams to develop computational thinking and problem solving skills. Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. This course can be a student's first course in computer science, although we encourage students without prior computing experience to start with Computer Science Essentials. CSP helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cyber security, and simulation. **Students that complete this course will qualify to take the Computer Science Principles AP Exam and earn college credit.**

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
2-DIMENSIONAL ADVANCED	10-12	0.5	\$30	2D Art

2-Dimensional Art/Advanced offers advanced work in drawing, painting and printmaking using a variety of media. Efforts will focus upon strengthening composition, use of color theory, and expressive content. A more in depth look at the work of other 20th century artists and styles will be included. Working with oil paints, airbrush, printmaking styles and batik processes will be studied.

	<u>Grade</u>	<u>Credit</u>	<u>Course Fee</u>	<u>Prerequisite</u>
COLLEGE PSYCHOLOGY-\$\$	11-12	0.5	UW tuition fee for college credit (approx. \$400) and purchase of textbook	Psychology & must meet UW criteria

Introduction to College Psychology (201) consists of understanding of behavior from psycho-physiological, cognitive, social and clinical perspectives, important issues, and methods of findings in the study of psychological process. A University of Wisconsin-systems faculty member teaches the course. Students pay a prorated portion of the UW-tuition as determined by LCASD to receive college credit.