



9th Grade

Program of Studies

GENERAL INFORMATION

Lancaster High School offers over eighty courses grouped under fifteen departments. Theoretically, all classes are available to all students provided that the necessary prerequisites are fulfilled. However, some scheduling problems arise which make it impossible for a student to take a class, which meets at the same time as another class. In such situations, the students must decide which class is more important, take that class or choose a substitute course to complete the schedule.

When choosing courses, students should pay particular attention to the requirements for graduation and the prerequisites of the course. Future schooling and potential occupational choices are also important factors to be considered when making course selection. Whatever schedule is selected, it should be the result of serious consideration made over a period of time. The choices are important. They should not be made hastily.

A. ACADEMIC CREDIT

Academic credit is awarded only when a student successfully completes a course with a grade of at least D-. Failure in a required course necessitates the student's retaking the course and passing it before a diploma can be awarded. Failure in an elective course earns no credit, but retaking the course is not mandatory. All courses meeting daily carries one-half an academic credit per semester. Courses not meeting daily carry partial academic credit. These courses and their credit value are as follows:

1)	Band	year	one credit
2)	Concert Choir	year	one credit
3)	Teen Parent Network	semester	one half credit

B. GRADUATION REQUIREMENTS

Students must satisfy a total of 25 credits in order to graduate from Lancaster High School. Credits earned in grades 9-12 are counted.

Credits must be earned in the following subjects in order to meet graduation requirements:

4	Credits of English
3	Credits of Social Studies
3	Credits of Math
3	Credits of Science
1.5	Credits of Physical Education
.50	Credit of Health
.50	Credit of Computer Basics
9.5	Elective credits
25	TOTAL CREDITS

C. ACADEMIC-SENIOR REQUIREMENT

In addition to the required courses listed above, seniors must earn one academic credit from the following study areas: English, Mathematics, Science, Social Sciences or Foreign Language.

D. ELECTIVE COURSES

Of the 25 credits needed to graduate, 9.5 must be earned in elective courses. Elective courses include both yearlong and semester classes. These courses allow the student to concentrate on special interests, prepare for college entrance, or develop vocational skills.

E. COURSE LOAD

To be considered a "*full-time*" student at Lancaster High School all students, grades 9-12, must carry 6 academic subjects (a course that meets 5 days per week) plus physical education or 7 academic subjects as a senior. Students in Agri-Business OJT have revised course loads. Details of the course loads for these classes are included in the course descriptions.

F. NON-DISCRIMINATION DISCLOSURE

It is the policy of the Lancaster Community School District that no person may be denied admission to any public school in this district or be denied participation in, be denied the benefits of, or be discriminated against in any curricular, extra-curricular, pupil services, recreational or other program or activity because of the person's sex, race, national origin, religion, color ancestry, creed, pregnancy, marital or parental status, sexual orientation or physical, mental, emotional or learning disability or handicap as required by s.118.13 Wis. Stats. 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, and national origin), Section 504 of the Rehabilitation Act of 1973, or the Americans with Disabilities Act of 1990.

The district encourages informal resolution of complaints under this policy. A formal complaint resolution procedure is available, however, to address allegations of violations of the policy in the Lancaster Community School District. Any questions concerning this policy should be directed to: Rob Wagner, 925 West Maple Street, Lancaster, WI 53813 (608)723-2175.

G. YOUTH OPTIONS

State law allows high school juniors and seniors to attend classes at a technical college or four-year university in addition to, or in lieu of, attending courses at Lancaster High School. Courses taken at a technical college or four-year university may count toward high school credits and lead toward high school graduation. In addition, school districts may be required to pay for some or all of the course work. If you have questions, please see the guidance counselor.

LAUDE COURSES

1 Point Per Semester – for completed and passed courses

AP Biology	PLTW – Intro to Engineering and Design (IED)
AP Calculus	PLTW – Principles of Engineering (POE)
AP English Literature	PLTW – Civil Engineering and Architecture (CEA)
AP Psychology	PLTW - Engineering Design and Development (EDD)
AP US History	PLTW – Computer Science and Software Engineering(CSE)

Accounting I (TC)
Economics (TC)
Human Social Behavior (TC)
College Composition (TC)
Speech (TC)
Entrepreneurship (TC)

.50 Point per Semester – for completed and passed courses

Advanced Microsoft (AS)	Experimentation
Spanish III	Physics
Spanish IV	Honors Band
Spanish V	Honors Choir
French III	Honors Studio Art
French IV	Advanced Ceramics and Sculpture
French V	3D Studio II
Anatomy and Physiology	Independent Studio
Chemistry II	Advanced Welding
	Veterinary Science

AGRICULTURE, FOOD & NATURAL RESOURCES

Careers in the *Agriculture, Food and Natural Resources* pathway are related to plants, animals, the environment, business and marketing. This pathway reflects on the importance of the different agrisciences, of marketing strategies, of safe food production and of the need for continuous research to improve agriculture. Some professions in agriculture are also related to engineering and industrial careers.

Do you have:

- a desire to work outdoors?
- clear verbal communication skills?
- ability to use good judgment?
- knowledge of math, business and science?
- patience and composure in working with animals?
- mechanical aptitude and ability to work with tools?
- observational and organizational skills?
- ability to work both alone and with others?
- leadership ability and decision-making skills?

If you answered "yes" to some of these questions, then you share some common abilities and interests with people who are employed in agriculture related careers.

AGRICULTURE COURSE OFFERINGS

Plants, Animals and You

1.00 credit

COURSE DESCRIPTION

PLANTS, ANIMALS AND YOU

Course Type:	Elective
Credit:	1
Course Length:	Year
Prerequisite:	None
Grade Level:	9, 10, 11, 12
Description:	This course is designed to serve as a foundation course for classes in the agriculture education department. As a foundation course, students will focus on the diversity of the agricultural industry as well as looking at the biological makeup of plants, soils, and animals. Production agriculture will be discussed along with a look at agronomy, farm safety and the dairy industry. Students will explore the National FFA organization and discover an agricultural career that interests them. A unit on carpentry and shop safety will also be included in this year-long course.

ARTS & COMMUNICATION

Careers in *Arts and Communications* are related to the humanities and include the performing, visual and literary arts as well as the communication media. (Careers in Business and Marketing are closely related to many artistic careers)

Do you have--

- the ability to be flexible and think creatively?
- good oral and/or written communication skills?
- good physical and manual dexterity?
- the ability to get along with others and work as a team member?
- the ability to set goals and work independently?
- good spatial and aesthetic perceptions?
- poise in social situations and times of crisis?
- the ability to translate design and ideas into reality?

If you answered "yes" to some of these questions, then you share some common abilities and interests with people who are employed in the following Art and Communication-related careers:

ART COURSE OFFERINGS

2D Studio I	.50 credit
2D Studio II	.50 credit
3D Studio I	.50 credit
3D Studio II	.50 credit
Applied Design I	.50 credit
Applied Design II	.50 credit

COURSE DESCRIPTIONS

2D STUDIO I

Course Type: Elective

Credit: 1/2

Course Length: Semester

Prerequisite: None

Description: Students will explore a variety of 2D materials such as pencil, pastel, charcoal, pastel, ink and paint. They will learn observational drawing skills and develop an understanding of value and color. Students will begin creating portfolios to demonstrate their skills and to keep a record of their progress.

2D STUDIO II

Course Type:	Elective
Credit:	1/2
Course Length:	Semester
Prerequisite:	2D Studio I
Description:	Students will visually examine individual life experiences and extend their skills in drawing and painting. Authentic project ideas will lead students into a deeper understanding of expression through two-dimensional media. Students will collaborate and continue to build their portfolios.

3D STUDIO I

Course Type:	Elective
Credit:	1/2
Course Length:	Semester
Prerequisite:	None
Description:	Students will work in a variety of 3D materials such as clay, wood, wire, papier-mache and plaster. Assemblage and relief processes will help them develop an understanding of three-dimensional form and the expressive use of space. They will begin creating portfolios to demonstrate their skills and to keep a record of their progress.

3D STUDIO II – LAUDE COURSE

Course Type:	Elective
Credit:	½
<i>Laude Points:</i>	<i>.5 Honor point awarded for the entire class</i>
Course Length:	Semester
Prerequisite:	3D Studio I
Description:	Students will use sculptural and ceramic techniques for personal expression. Authentic project ideas will lead students into a deeper understanding of three-dimensional media. Students will collaborate and continue to build their portfolios.

APPLIED DESIGN I

Course Type:	Elective
Credit:	1/2
Course Length:	Semester
Prerequisite:	None
Description:	Students will apply a fundamental knowledge of design to explore a wide variety of art materials, both 2D and 3D (glass, textiles, mixed-media, cardboard, etc.). They will begin creating portfolios to demonstrate their skills and to keep a record of their progress.

APPLIED DESIGN II

Course Type:	Elective
Credit:	1/2
Course Length:	Semester
Prerequisite:	Applied Design I
Description:	Students will expand their experience with a variety of materials, concentrating in one or two media and exploring their expressive potential. Students will collaborate and continue to build their portfolios.

BUSINESS EDUCATION

Business and Marketing encompasses a broad field of careers. Some occupations included in this area are finance, insurance, real estate, personnel, sales, merchandising, marketing research, advertising, packaging, distribution and purchasing. (Careers in Arts and Communications are closely related to many Business and Marketing careers)

Do you want to improve your:

- ❖ analytic and clerical skills?
- ❖ organizational skills and the ability to be accurate?
- ❖ ability to be persuasive?
- ❖ leadership ability and decision-making skills?
- ❖ verbal communication?
- ❖ ability to get along with others and be part of a team?
- ❖ enthusiasm and self-confidence?
- ❖ competitive nature?
- ❖ ability to work under pressure?
- ❖ problem-solving skills?

If you answered "yes" to any of these questions, then you share common abilities and interests with people who are employed in business.

BUSINESS COURSE OFFERINGS

Business Enterprise	.50 credit
Computer Basics	.50 credit
Advanced Microsoft Office	.50 credit

COMPUTER BASICS

Course Type:	Requirement for all 9th graders
Credit:	½ (Course can also be a transcribed credit through SWTC)
Course Length:	Semester
Prerequisite:	None
Description:	This is a beginning course in Microsoft Office. The main focus of this course is to help students become more efficient in Microsoft Office. By becoming more efficient in Microsoft Office students will be able to utilize the skills they learn in this course towards other high school classes throughout their high school career. The students will develop a better understanding of the Microsoft environment. The students will be introduced to Microsoft Word, Excel and PowerPoint. The course concludes with an in-depth simulated project, which includes an integration of Microsoft Word, Excel and PowerPoint.

BUSINESS ENTERPRISE

Course Type:	Elective
Credit:	½
Course Length:	Semester
Prerequisite:	None
Description:	Students will develop skills for small business management. They will create a business plan, understand the marketing mix, management of human resources, and the role of electronic commerce. Life skills will be covered to give students a practical understanding of personal finance. A simulation is utilized which helps prepare students for their lives when they are “on their own.” It will provide a basic understanding of installment buying, banking, budgeting, insurance and how to look at the economy. This course is helpful for any student regardless of career choice. Interactive exercises are used to provide hands-on experience. It encompasses business and personal activities including job application skills.

ADVANCED MICROSOFT OFFICE

Course Type:	Elective
Credits:	½
<i>Laude Points:</i>	<i>½ Honor point awarded for the class with passing certifications.</i>
Course Length:	Semester
Prerequisite:	A 70% or better in Computer Basics.
Description:	Advanced Microsoft Office begins with a review of computer basics processing documentation. The focus part of the course is to have students become certified Microsoft Office Specialists in Microsoft Word, PowerPoint and Excel. The class will learn more complex functions in Microsoft Excel as well as becoming efficient in Microsoft Word. Every Friday we have what is called “Tech” Fridays where we explore Photoshop & Illustrator to create fun and interesting projects.

INDUSTRIAL, TECHNICAL AND ENGINEERING

Careers in this pathway are related to engineering, science, technology, construction, manufacturing, photography, communications, power, energy and transportation.

Do you enjoy-

- Figuring out how things work?
- Operating or fixing machines?
- Working with your hands, assembling, building or repairing things?
- Working with metal, plastics, or wood materials?
- Planning and supervising a project or completing a project or part of a project?
- Drawing detailed plans or patterns or working with blueprints?
- Courses in biology, chemistry, or physics?
- Reading automotive or scientific magazines?
- Advanced mathematics classes?
- Solving practical problems with mathematics?
- Helping others build things?
- Collecting rocks, minerals, or soil samples?
- Doing chemistry experiments?
- Sorting products by size, weight, or quality?
- Working with computers, robots, or computer-controlled machines?
- Working with other people to solve a real life problem?

If you answered "yes" to some of these questions, then you share common interests with people in engineering, science, and technology.

TECHNOLOGY DEPARTMENT

COURSE OFFERINGS

PLTW Introduction to Engineering Design	1.0 credit
Introduction to Technology Systems 1	.50
Introduction To Technology Systems2	.50
Photography Technology	.50 credit
Computer Aided Design & 3D Printing	.50 credit
Better Homes and Interior Decor	.50 credit
Enterprise and Entrepreneurship	.50 credit
Metal Processes	.50 credit
3d Animation and Game Design	.50 credit

COURSE DESCRIPTIONS

PLTW---- INTRODUCTION TO ENGINEERING DESIGN

Course Type:	Elective
Credit:	1
Laude Points:	<i>1 Honor point awarded for the entire class</i>
Course Length:	Year
Prerequisite:	None
Description:	In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. This course is designed for 9th or 10th grade students. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation.

INTRODUCTION TO TECHNOLOGY SYSTEMS 1& 2

Course Type:	Elective
Credit:	1
Course Length:	Year or two separate semesters
Prerequisite:	None
Description:	The course is available either 1st or 2nd semester or the full year. Introduction to Technology Systems is a course offering an overview of the four major technology systems that are studied more specifically in other courses offered by the department. The four systems include: <ul style="list-style-type: none">a) materials processing and manufacturing,b) power, energy and transportation,c) communications, andd) construction. Activity areas can include drafting, electricity, photography, printing, woodworking, metal working, plastics, video, radio, electronics, and more.

PHOTOGRAPHY TECHNOLOGY

Course Type:	Elective
Credit:	1/2
Course Length:	Semester
Description:	After students understand basic compositions and methods to photography, they will create a portfolio or project using traditional film photography, digital computer photography.

Students will be responsible for the purchase of materials for this class.

COMPUTER AIDED DESIGN AND 3D PRINTING

Course Type: Elective
Credit: 1/2
Course Length: Semester
Prerequisite: All Students
Description: Students will learn the basics of mechanical Computer Aided Drafting and Design. The class will spend time designing and drafting items in the Inventor program, followed by creating those items using our 3D printers.

BETTER HOMES & INTERIOR DECOR

Course Type: Elective
Credit: 1/2
Course Length: Semester
Prerequisite: None
Description: This course is intended to provide students with the opportunity to experience and participate in the proper and functional arrangements of home design and decor. The atmosphere of a home has an enormous influence on the visual, physical, and intellectual comforts of people's lives. Course content includes the planning, decorating, and altering of interior home spaces. Class activities will include interior design, computer aided drafting, home repair and maintenance, and home decorating.

ENTERPRISE AND ENTREPRENEURSHIP

Course Type: Elective
Credit: 1/2
Course Length: Semester
Prerequisite: None
Description: This class will cover all aspects of a business. It will cover ownership, leasing, inventory control, financing, management, engineering, retail pricing of goods and services, etc. Students will mass produce a product(s) and sell them.

METAL PROCESSES

Course Type: Elective
Credit: 1/2
Course Length: Semester
Prerequisite: None
Description: Through the completion of projects such as metal art, recreational equipment, home furnishings, and tools, students will learn the fundamentals of metal processes. Students will work in 2 areas; sheet metal, machining.

3D ANIMATION and VIDEO GAME DESIGN

Course Type: Elective
Credit: 1/2
Course Length: Semester
Prerequisite: None
Description: Welcome to 3D Animation! We can only imagine where the next generation of artists, designers, engineers and inventors will take 3D applications in the future, but we do know the boundaries are blurring between the arts and sciences creating new connections and that students will need the skills to integrate their ideas across various disciplines. Using Autodesk 3D applications gives students the opportunity to explore these connections and learn to see information in a new way. In this course you are going to be introduced to 3D careers concepts and applications. This course is designed to get you through a minimum of 10 assignments and a final project; however the sky is the limit for you in this course. You may be surprised at what it takes to complete what seems to be such a simple task. We will cover modeling, environments, movement, lighting, cameras, rendering, and more! Let's get started.

MATH DEPARTMENT

COURSE OFFERINGS

Algebra 1	1.00 credit
Honor's Geometry	1.00 credit

COURSE DESCRIPTIONS

ALGEBRA I

Course Type: Elective (see math requirement)
Credit: 1
Course Length: Year
Prerequisite: None
Description: Skills of translating language expressions into mathematical symbols, expressions, open sentences, and graphs is the main thrust of the first year of Algebra. Time is spent on manipulations, simplifying and factoring polynomials and how they relate to real life data.

HONOR'S GEOMETRY

Course Type:	Elective
Credit:	1
Course Length:	Year
Prerequisite:	Algebra I -- successful completion of both semesters.
Description:	This is a unified course dealing with relationships, properties and measurements of figures in the plane. Throughout the course the properties of solid figures are related to help the student visualize concepts in the three-dimensional world. Algebra skills are maintained throughout the course.

MUSIC DEPARTMENT

MUSIC COURSE OFFERINGS

Concert Band	1.00 credit
Music Appreciation	.50 credit
Concert Choir	.50 credit
Music Theory	.50 credit

COURSE DESCRIPTIONS

CONCERT BAND

Course Type:	Elective
Credit:	1
Course Length:	Year
Prerequisite:	Previous instrumental music experience is recommended

Description: Membership in the Lancaster High School band is open to all students in grades 9-12. The band meets five periods a week for one credit per year. If enrollment dictates, two bands may be formed during concert season at the discretion of the director and administration. Marching band includes all students and is the basic focus for the 1st quarter. Jazz Band, Pep Band, Solo Ensemble and other opportunities for individual musical growth are all a part of the Lancaster High School band program. A more complete description of the program is available from the director in the LHS Band Handbook. This course may be offered for laude credit with increased expectations provided by the teacher.

MUSIC APPRECIATION

Course Type: Elective
Credit: 1/2
Course Length: Semester
Prerequisite: None

Description: During this course, students will learn the basics in music history, theory, instrumentation, and genres. Students will listen to a variety of music throughout the course and will learn from many of the following topics: Musical Elements, Music of the Middle Ages, Music of the Renaissance, the Baroque Period, the Classical period, the Romantic Period, Twentieth Century Music, Rock, Jazz, and Non-Western Music.

CONCERT CHOIR

Course Type: Elective
Credit: 1/2
Course Length: Year
Prerequisite: None

Description: The Concert Choir is open to freshman through senior students. Enrollment in Concert Choir is a prerequisite to the Chamber Singers and all freshman singers will be enrolled in Concert Choir. The curriculum focuses on the fundamentals of singing and musical understanding required of musicians. Students in Concert Choir will perform music from a wide variety of eras and styles. Concert Choir will meet every-other school day for one-half credit per year. Membership in this group allows students to be a part of Chamber Singers and other extra-curricular vocal music activities such as Song Spinners, Solo & Ensemble Festival, etc.

MUSIC THEORY

Course Type: Elective
Credit: 1/2
Course Length: Semester
Prerequisite: Experience in band, chorus or keyboards is recommended.

Description: This is a course designed for the serious music student. Music Theory presents a comprehensive program that includes coordinated work in written concepts, terminology and notation; exercises in music reading and sight singing and practice in ear training. Individualized instruction is stressed. A major project for the semester involves learning the basic functions of "Finale", a music notation software culminating in the arrangement of a work for band or other combinations of voices and instruments.

WORLD LANGUAGES

Lancaster High School offers students the opportunity to learn **French** and **Spanish**. Language assists in meeting some college admission/graduation requirements and also opens doors to many careers in which the ability to speak a second language is helpful. **High School language experience also provides the opportunity to test out of college language classes and to receive as many as 16 university credits for work done while in high school.** The ability to speak more than one language is a fundamental skill for global citizens of the 21st century. Study of world languages increases cultural awareness and broadens employment options for all students.

WORLD LANGUAGE COURSE OFFERINGS

French I	1.00 credit
Spanish I	1.00 credit

COURSE DESCRIPTIONS

FRENCH I

Course Type:	Elective
Credit:	1
Course Length:	Year
Prerequisite:	None
Description:	This course is designed to provide an introduction to the French language and culture. An emphasis on listening, speaking, reading and writing are used throughout the course. Students will learn about the Francophone countries and will have an overview of their cultures.

SPANISH I

Course Type:	Elective
Credit:	1
Course Length:	Year
Prerequisite:	None
Description:	This course is designed to provide an introduction to the Spanish language for the students who want only one year of study as well as a basis for students who wish to pursue further study. The objective of the class is to achieve a basic degree of communication and to be introduced to the culture of Spain and Latin American with an emphasis on holidays, food traditions, Andalusia, and the basic geography of the Spanish-speaking World. Students learn to communicate in the classroom using only Spanish.

