

PROPERTY OF
HARTFORD UNION
HIGH SCHOOL

**ACADEMIC
AND
CAREER**

2024



2025

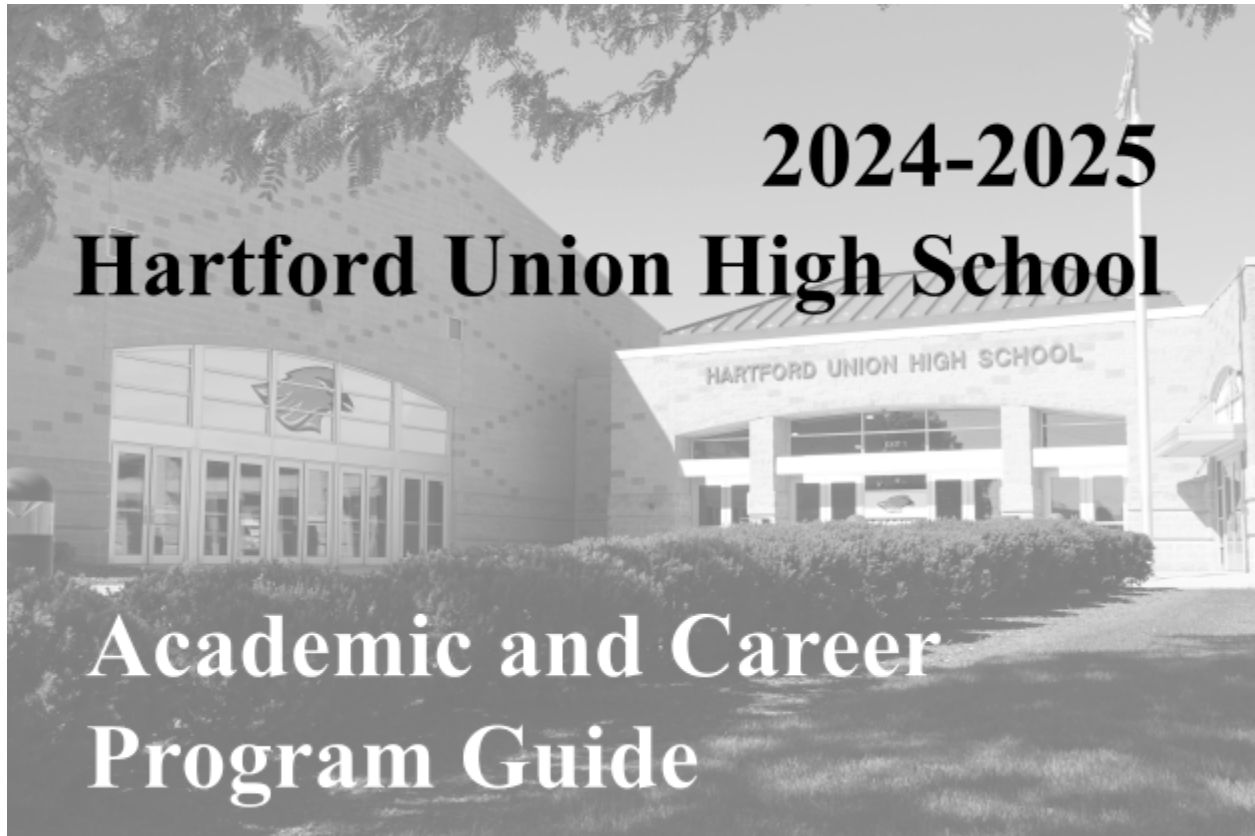
**PROGRAM
GUIDE**

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Class: Intro to Digital Design

CHANGE IS THE END
RESULT OF TRUE
LEARNING



**805 Cedar Street
Hartford, WI 53027
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www.huhs.org**



HUHS Vision Statement

HUHS engages students through academically challenging and relevant learning experiences. We cultivate a spirit of inquiry to bring meaning and application to knowledge.

Meaningful partnerships with our parents, community, businesses, K-8 districts, and post-secondary institutions build the framework to allow HUHS to achieve excellence. These collaborative partnerships allow HUHS to personalize learning to meet the multi-dimensional needs of each learner and prepare each learner to maximize his or her own potential.

Our highly qualified staff is committed to excellence and innovation in teaching and learning to create a dynamic environment where every student is eager to learn and achieve. All students will graduate confident and resourceful with the skills and abilities to meet the challenges of a global society in a changing tomorrow.

HUHS Mission Statement

We engage and support all learners to discover their passions, achieve high academic goals, and contribute to a global society.

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School Information

HUHS Bell Schedule	
Block 1	7:25 - 8:50
Block 2	8:57 - 10:20
Block 3	10:20 - 10:50 A Lunch 10:53 - 12:18 Class
	10:25 - 11:05 Class 11:05 - 11:35 B Lunch 11:38 - 12:18 Class
	10:25 - 11:48 Class 11:48 - 12:18 C Lunch
Block 4	12:23 - 1:45
Oriole Time	1:50 - 2:45

Graduation Requirements

Subject	Credit Requirements	
	General Diploma	Honors Diploma
English	4	4
Math	3	4
Science	3.5	4
Social Studies	3	4
World Language	--	2
Physical Education* *Needs to be earned over 3 years	1.5	1.5
Health	.5	.5
Fine Arts or Career & Technical Education	--	1
Business & Information Technology	.5	.5
Core Electives	--	2
Electives	12.5	8.5
Total Credits	28.5	32

Additional Requirements

All HUHS graduates must demonstrate proficiency in Financial Literacy, the Civics Exam, and on the WI Information and Digital Literacy Standards for all diplomas.

Subject
Financial Literacy*
Technology Skills Demonstration of Competency*
Civics Assessment*
Life Ready Portfolio

*Included in the general curriculum

Life Ready Portfolio Requirements

All HUHS Graduates for Class of 2025 and beyond are required to complete 1 Career Ready Option and 1 College Ready Option, and an additional 4 options from either list for a total of 6, to be detailed in their Life Ready portfolio. Students must complete all Citizenship Ready experiences listed.

Career Ready Options	College Ready Options	Citizenship Ready Requirements
Youth Apprenticeship	Dual Credit Options: ECCP, SCN, CAPP, Transcribed Credit	Completion of Life Ready Portfolio
Business & Industry Cert Course	PLTW Course	30 Hours of Community Service
Career Tour	AP Course	WI Info & Digital Standards
Job Shadow		Financial Literacy Course
Post-Secondary Program Tour		Civics Exam

Suggested Sequencing and Timeline for Life Ready Portfolio

Freshman Year	Sophomore Year	Junior Year	Senior Year
One College Ready <i>or</i> Career Ready Experience	One College Ready <i>or</i> Career Ready Experience <i>*Opposite of what was completed freshman year</i>	Two experiences in either Career Ready or College Ready Category	Two experiences in either Career Ready or College Ready Category
Citizenship Ready Experience - Day of Service or Equivalent	Citizenship Ready Experience - Day of Service or Equivalent	Citizenship Ready Experience - Day of Service or Equivalent	Citizenship Ready Experience - Day of Service or Equivalent
	Civics Exam - Completed in Civics Course or AP Government	Financial Literacy Course	Completion of Life Ready Portfolio
WI Info & Digital Standards	WI Info & Digital Standards	WI Info & Digital Standards	WI Info & Digital Standards

Honors Diploma Requirements

HUHS offers an honors diploma for students who wish to follow an academic path which provides a rigorous schedule in addition to opportunities in Fine Arts and/or Career and Technical Education. Typically, a student who wishes to pursue the honors diploma will make this decision early in high school to allow for academic planning, and he/she is responsible for tracking progress. The honors diploma is determined at the end of the seventh semester. Students earning the honors diploma will receive this designation at the commencement ceremony. See below for specific requirements.

Honors Diploma Specific Requirements

Gold - Cumulative GPA of 3.9 or higher after term 3 of graduating year

Silver - Cumulative GPA of 3.7-3.899 after term 3 of graduating year

Students graduating in 2024 and thereafter must successfully complete **5** of the following options;

- A. Advanced Placement classes (AP): earn a B or better or a 3 on an AP Exam
- B. Dual enrollment course: earn a B or better
- C. College Level Examination Program (CLEP): pass the CLEP examination; and/or
- D. Project Lead The Way (PLTW): earn 80% or higher and pass an end-of-year examination

Early Graduation

Students planning to graduate at the end of any term their senior year must meet with their counselor and complete the early graduation process. Diplomas for all graduates will be issued after graduation in June. HUHS conducts one graduation ceremony and early graduates have the option to participate. Parent/guardian signature is required on the following form prior to graduation:

[Early Graduation Form](#)

This form is required to be completed and returned to the Main Office prior to graduation.

Select Learning Opportunities

At HUHS, we have many opportunities for students to access both college coursework and career-based opportunities while still in high school. These opportunities assist in preparing students for their chosen career pathway and open doors to their future.

Throughout the book, you will see this symbol: ♦ This denotes any courses that students can take that may count for college credit.

Bundled Courses

A bundled course pairs multiple classes together so that the curricula and instruction can be offered in a more flexible and integrated approach. Multiple teachers team together for bundled courses. The key learning targets for each course will remain the same, but blending the curricula and scheduled course periods provides more flexibility and creativity in teaching and learning the curricula. This model is focused on the following:

- creating a rigorous, interdisciplinary education option for all students;
- meeting the needs of diverse learners through project-based curriculum and instruction;
- providing voice and choice for students;
- creating a meaningful, integrated education focused on skills for college and career; and
- allowing for potential acceleration.

Freshman Biology Bundle - Freshman Biology Bundle integrates the requirements for Biology, Health, and Foundations of Physical Education in an interdisciplinary, team-taught approach.

STEM Bundle - Students may enroll in the STEM bundle, which includes Introduction to Physics, Introduction to Chemistry, and Applied Technologies for a total of 1.5 credits. Students will have the potential to earn 1.5 credits in 1.0 credit of seat time. This bundle satisfies the Science requirement for Introduction to Physics and Introduction to Chemistry.

AP Bio/AP Psych Bundle - Students may also enroll in the AP Biology and AP Psychology courses as a bundle. While the courses may also be taken separately, students who take these courses in a bundled course option will be able to integrate the course topics and concepts to provide a deeper understanding and transfer of content. Students taking this course will have potential to earn 2.5 credits in 2.0 credits of seat time. Students taking this bundle will be prepared for both AP exams in May.

Project Lead the Way (PLTW) Courses

The Project Lead the Way (PLTW) Biomedical Sciences Program offers students advantages from career readiness and hands-on experience to college prep-level classes, labs, and creative exercises. The PLTW Biomedical Sciences program is a sequence of four courses offered through the Science Department that is based on real-world experiences. Courses have high standards for rigorous, focused, and engaging study, and develop innovative, collaborative, cooperative, and problem-solving skills. Students may earn weighted grades for courses if they earn an 80% or higher in classes and pass end of year examinations.

- PLTW: Principles of Biomedical Science
- PLTW: Human Body System
- PLTW: Medical Interventions
- PLTW: Biomedical Innovations

Honors Courses

These courses offer students an opportunity to be challenged at a higher level, developing higher-order thinking skills. Several honors courses help students prepare for AP courses.

- Honors Concert Choir
- Honors Orchestra
- Honors Symphonic Band
- Honors English I
- Honors English II

Science Equivalency Opportunities

The Department of Public Instruction recognizes courses with significant science content as Science Equivalency Credit Courses. HUHS will accept the courses listed below as science credits for graduation as part of the 3 required Science credits for the class of 2024. Students in the class of 2025 and beyond can apply .5 of these credits to their 3.5 required Science credits which must include a sequence through Chemistry, Physics, or their equivalents. The University of Wisconsin System may also count these courses for part of the three high school units of science required for admission to UW institutions. Check with the counseling office for details on how each institution will count these courses toward satisfying admission requirements. Science Equivalency Credits are awarded to students successfully completing any of the following courses:

- Animal Science (1.0 credit)
- Plant and Soil Science (1.0 credit)
- Veterinary Medicine (.5 credit)

On-Campus College Credit Opportunities

Advanced Placement (AP) Courses ♦

AP courses are designed to meet the needs of students who are interested in a more challenging and in-depth academic program. The AP Program offers students a rigorous curriculum set by the College Board and the opportunity to pursue college-level studies while in high school. Grades in AP courses are weighted. The following AP courses are offered at HUHS.

- AP Art and Design
- AP Biology
- AP Calculus AB
- AP Calculus BC
- AP Chemistry
- AP Computer Science-JAVA
- AP Computer Science Principles
- AP Language and Composition
- AP Literature and Composition
- AP Macroeconomics
- AP Microeconomic
- AP Physics I
- AP Physics II
- AP Precalculus
- AP Psychology
- AP Statistics
- AP US Government and Politics
- AP US History

AP testing is offered to all students whether or not they are enrolled in a course designated as Advanced Placement. Information from the AP teacher assists students to prepare for the AP tests given by the College Board in May. AP tests are optional and are for those students who wish to earn college credits. Students must register for AP tests through the Student Services Office by the deadline established by the College Board. In 2023-2024 school year, the cost per AP exam was \$97. Wisconsin Statutes 120.12 (22) requires HUHS to pay the exam fee for students who qualify for Free and/or Reduced meals. These students should contact the District Assessment Coordinator for information on testing fees. Other students not qualifying for free and/or reduced meals must pay their own exam fees.

Dual Credit Courses ♦

Students may receive dual credit (high school and college credit) for approved classes. All dual credit courses are subject to instructor credentials and teacher availability. Students enrolled in dual enrollment classes have the option to pay for the course and earn college credit from the accompanying institution of higher education.

HUHS offers three different dual enrollment opportunities - CAPP through the University of Wisconsin - Oshkosh, Lakeland University, and the University of Iowa. See additional information in tables below.

University of Wisconsin - Oshkosh (CAPP)

To be eligible to earn college credit, students must meet at least one of the following requirements: Class rank in the top 30% or GPA of 2.75 or above (on a 4.0 scale). Students who wish to earn college credit for a dual credit course are required to pay a fee.

Course #	HUHS Course Name	HS Credit	College Credits	College Course #
825	Financial Management	0.5	3	Business 231
166	Advanced Creative Writing (CAPP)	0.5	3	English 204
157	Literature and Film (CAPP)	0.5	3	English 231
175	Women in Literature (CAPP)	0.5	3	English 224
145ABA	Journalistic Composition	1	3	Journal 141
150ABA	Advanced Journalistic Composition	1	3	Journal 221
125AB & 125ABA	AP Language and Composition	1	3	Writing 101
445ABA	AP Calculus AB	1	5	Math 171
450ABA	AP Calculus BC	1	4	Math 172
451AB	Calculus III	1	4	Math 273
581	Lifeguarding	0.5	2	PE 221
593	Principles of Coaching	0.5	3	PE 320
594	Principles of Officiating	0.5	2	PE 328
340AB	Spanish V	1	5	Spanish 204
350AB	Spanish VI	1	5	Spanish 312

Lakeland University

Students wishing to take this class for Dual Credit will follow the application and fee process detailed within the class.

Course #	HUHS Course Name	HS Credit	College Credits	College Course #
818AB & 818ABA	Accounting II	1	3	ACC 210

University of Iowa

Students wishing to take this class for Dual Credit will follow the application and fee process detailed within the class. This includes a fee to write an examination at the end of the course.

Course #	HUHS Course Name	HS Credit	College Credits	College Course #
803	Entrepreneurship	0.5	3	ENTR:1010

Transcripted Credit (TC)

Some courses offered at HUHS may be taken for Transcripted Technical College Credit. Students who successfully complete the course and pre-established criteria will be awarded high school credit and TC. All courses listed below are TC courses and are aligned with MPTC course offerings or Lakeshore Technical College offerings. These agreements are subject to change based on course curricula requirements and teacher credentials. Additional information can be found at the following site:

<https://www.huhs.org/academics/advanced-course-options.cfm>.

Moraine Park Technical College				
Course #	HUHS Course Name	HS Credit	College Credits	College Course #
475	Programming with Modern Languages	0.5	3	152-108
837	IT Pro	0.5	2	103-182
480AB	AP Computer Science - JAVA	1	2	152-137
535AB	Child Care Services	1	3	307-148
505	Culinary Arts II	0.5	2	316-110
510AB	Culinary Arts III	1	1	316-102
849	Auto Service	0.5	2	602-107
852AB	Auto Technician	1	3	602-104
887AB	Engineering Design	1	3	617-114
287EMT	Emergency Medical Technician	2	5	531-301
285	Certified Nursing Assistant	0.5	2	543-200

Lakeshore Technical College				
Course #	HUHS Course Name	HS Credit	College Credits	College Course #
603AB	Animal Science (ES)	1	3	10006114 AGRIL

Off-Campus Dual Credit Opportunities

Early College Credit Program (UW College or Private College)

Students may apply to take courses at the University of Wisconsin System or a private college. HUHS must not offer a comparable course. Applications must be submitted to the student's counselor by February 1 for the Summer session, March 1 for the Fall semester, and October 1 for the Spring semester. The grades will not factor into the high school GPAs. Courses are subject to availability after the application deadline and process. Students cannot make changes after the application deadlines.

Start College Now (Technical College)

Juniors and seniors in good academic standing may apply to take courses at a technical college through the Start College Now program. HUHS must not offer a comparable course. Applications must be submitted to the student's Counselor by March 1 for the Fall semester and October 1 for the Spring semester. Upon School Board approval and course completion, students may earn technical college credits along with high school credits. The grades will not factor into the high school GPAs. Courses are subject to availability after the application deadline and process. Students cannot make changes after the application deadlines.

Career-Based Learning Opportunities

Business and Industry Certification Courses (ICC)

Specific HUHS courses help prepare students to take a business and industry recognized third-party assessment, examination, or licensure. These certifications measure occupational competency and validate a knowledge base and skills that show mastery in a particular industry. Industry certifications are a way for students to show they have specific, industry-needed skills and abilities, which increase their opportunities beyond high school.

Students in the class of 2025 and beyond will be required to demonstrate career readiness, and ICC is one of the ways to show readiness. The following departments offer certification opportunities:

- Business & Information Technology
 - Microsoft Office Specialist
- Family & Consumer Science
 - Assistant Child Care Teacher
- Health Science
 - Certified Nursing Assistant
 - Emergency Medical Technician
- Technology & Engineering Education
 - Automotive Service Excellence
 - Certified SolidWorks Associate

Youth Apprenticeship

The Youth Apprenticeship (YA) program is a work-based education opportunity that is a structured method of combining classroom-based education with related, practical work experience. It provides academic credits for structured job experiences while helping students make the transition to post high school life/work/education. Students are supervised “on the job” by employers who are in communication with our YA Coordinator.

GPS Education Partners

GPS is an immersive youth apprenticeship program in the field of manufacturing. Students must be 16 years old to enter the program and have been in high school a minimum of two years. Typically, students participate in the program during their junior and senior years of high school; there are some students who attend only their senior year.

Dual Enrollment Academy (DEA): WCTC

In WCTC’s Dual Enrollment Academy, students can explore high-demand fields and earn college credit while still in high school. This program helps ease the transition from high school to post-secondary education, giving students insight into college academics and a jump start on programs. DEA is available in the following career fields:

- | | |
|-------------------------------------|-----------------------|
| Automation | IT System Specialist |
| Building Construction Trades | Pre-Nursing |
| Criminal Justice Studies | Tool and Die / CNC |
| Early Childhood Education Preschool | Welding / Fabrication |
| Firefighter/EMT | |

The application deadline is March 1 for the following school year. See your School Counselor for more information.

Excelerate Program: WCTC

Most WCTC programs are now open to qualified high school juniors and seniors through WCTC Excelerate. Excelerate students can

- Earn high school and college credit at the same time, potentially at no cost.
- Work toward an associate degree or technical diploma before students graduate from high school.
- Gain access to priority course registration, academic advising, new student orientation and more.
- Get a taste of college life and build a solid foundation for a bachelor's degree and your future career.

The application deadline is March 1 for Fall enrollment and October 1 for Spring. See your School Counselor for more information.

Additional Information

GPA Information

Scales used to calculate GPA are as follows:

Unweighted Grade	Grade	Weighted Grade
4.000	A+	5.000
4.000	A	5.000
3.666	A-	4.666
3.333	B+	4.333
3.000	B	4.000
2.666	B-	3.666
2.333	C+	3.333
2.000	C	3.000
1.666	C-	2.666
1.333	D+	2.333
1.000	D	2.000
.666	D-	1.666
0	F	0

Class Rank and Weighted Class Rank

At the end of each semester during the freshman year, the sophomore year, the junior year, and finally at the end of the 7th semester in the senior year, students will be ranked scholastically, including determination of the Top 10 ranking for each class.

The final average will be used in all subjects in which units of credits are given to calculate an average. This ranking is requested by colleges, is used to determine the eligibility for membership in the National Honor Society, and is used for certain senior honors.

Final class rank for seniors will be determined at the end of the 7th semester for graduation and school recognition purposes. The valedictorian will be the student(s) with the highest grade point average as calculated

at the end of seven semesters. The salutatorian will be the student(s) with the second highest grade point average as calculated at the end of seven semesters.

Unweighted and Weighted Grades

Students may earn one additional grade point for each grade and credit earned in the following: Advanced Placement (AP) courses, CAPP courses, CNA Certification, EMT Certification, PLTW courses and exams, and designated courses available for college credit at 4-year institutions or with Industry Certification Exams. The District reports student unweighted and weighted Grade Point Averages (GPA), and student weighted class rank on official transcripts.

NCAA Information

NCAA schools require college-bound student-athletes to build a foundation of high school courses to prepare them for college coursework. Students who plan to compete in NCAA sports at Division I or II schools must pass a certain number of NCAA core courses (English, Math, Science, Social Studies, World Language). HUHS submits core courses to NCAA for approval. Under course descriptions, it will indicate if a core area course is NCAA approved. In addition, please check online for the approved core courses offered at HUHS:

<https://web3.ncaa.org/hportal>.

District Testing Information

Standardized Testing at HUHS

PreACT: The PreACT Secure is the state test administered to Freshman and Sophomores. It tests students in four subjects: English Math, Reading, and Science. Testing windows open in March and April.

ACT: The ACT, which is the Wisconsin state test, occurs during the spring of Junior year. The ACT consists of four subtests: English Math, Reading, Science, and Writing. The ACT is often used as a component of college admissions, but also serves as an indicator of success in many other post-secondary journeys.

Wisconsin Forward Exam: The Wisconsin Forward Exam is an online summative assessment (measuring students' cumulative progress from the past school year). This test is administered to HUHS students in 10th grade in the area of Social Studies. The Forward Exam provides a measure of students' knowledge and skills required to be college- and career-ready.

PSAT: The Preliminary SAT, also known as the PSAT/NMSQT® (National Merit Scholarship Qualifying Test), is an optional practice version of the SAT exam. Students can pay a fee to sit for PSAT once per year, which is offered in the fall. Juniors earning a high score on the PSAT may qualify to receive a National Merit Scholarship. The PSAT tests students' skills in reading, writing, and math.

CLEP: The College Level Examination Program offers students the option to pay a fee to write examinations in order to show knowledge of college-level coursework. CLEP general and subject examinations are accepted for credit by many colleges/universities. Students are eligible to take any CLEP exam as evidence of demonstrating college readiness. Students in the class of 2025 and beyond will be required to demonstrate college readiness, and the CLEP exam is one of the ways to show readiness.

ASVAB: The Armed Services Vocational Aptitude Battery (ASVAB) is a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success in the military. The ASVAB subtests are designed to measure aptitudes in four domains: Verbal, Math, Science and Technical, and Spatial. This test is administered as needed.

Courses at a Glance

- Courses ending in AB are 1 credit semester courses (603AB)
- Courses that do not have a letter (605) are .5 credit term courses
- Courses ending in ABA are 1 credit, year-long courses (600ABA) that run on alternating days
 - These courses must be paired so request either 2 or 4 ABA courses.

Key: * Indicates course has (a) prerequisite(s). Please refer to the course descriptions for more information

See additional key symbols before each Department's Course Description

Course	Course #	Grade	Course	Course #	Grade	Course	Course #	Grade
Agriscience			Computer Science			Family & Consumer Science		
Exploring Life Science & Agriculture	600AB	9-12	PRGM w/ Game Design	470	9-12	Culinary Arts I	500	9-12
Animal Science (ES)	603AB	9-12	PRGM w/ Modern Languages*	475	9-12	Culinary Arts II*	505	9-12
Horse Science & Companion Animal	605	9-12	Esports*	478AB	10-12	Culinary Arts III*	510AB	10-12
Dairy Science*	607	9-12	AP Computer Science JAVA*	480AB	10-12	Culinary Arts IV*	515AB	10-12
Veterinary Medicine (ES)*	609	9-12	AP Computer Science Principles*	485AB	11-12	Health & Human Service Careers	520	9-12
Art			Educational & Career Opportunities			Personal Style & Design	525	9-12
Plant & Soil Science (ES)	611AB	9-12	Certified Nursing Assistant	285	11-12	Parenting	530	10-12
Horticulture & Greenhouse Mgmt	614	9-12	Emergency Medical Technician	287EMT	12	Child Care Services*	535AB	11-12
Wildlife & Forestry Mgmt	617	9-12	Youth Apprenticeship	0YA	11-12	Math		
Outdoor Conservation & Mgmt*	620	9-12	GPS Education Partners	292AB	11-12	Algebra I	400AB	9-10
Business & Information Technology			Early College Credit Program-Spring	ECCPSP	9-12	Geometry*	415AB	9-12
Introduction to Art	200AB	9-12	Early College Credit Program-Summer	ECCPSU	9-12	Algebra II*	405AB	9-12
Drawing & Painting I*	205AB	9-12	Early College Credit Program-Fall	ECCPFA	9-12	Functions & Trigonometry*	430AB	10-12
Drawing & Painting II*	210AB	10-12	Start College Now-Spring	SCNSP	11-12	AP Precalculus*	438AB	9-12
Pottery, Metals, & Sculpture I*	215AB	9-12	Start College Now-Fall	SCNFA	11-12	AP Calculus AB*	445AB	10-12
Pottery, Metal, & Sculpture II*	220AB	10-1	English			AP Calculus BC*	450AB	11-12
Art in the Community*	228ABA	9-12	English I	100AB	9-10	Calculus III*	451AB	11-12
AP Art & Design*	230ABA	11-12	Honors English I	105AB 105ABA	9	Statistics & Probability*	455AB	11-12
Exploring Business	800	9-12	English II*	110AB 110ABA	9-10	AP Statistics*	460AB 460ABA	10-12
Entrepreneurship	803	11-12	Honors English II*	115AB 115ABA	9-10	Consumer Math	465AB	11-12
Leadership & Management	806	9-12	English III*	120AB 120ABA	10-12	Music		
Principles of Marketing	809	9-12	AP Language & Composition*	125AB 125ABA	10-12	Concert Band	250ABA	9-12
Sports & Entertainment Marketing*	812	9-12	AP Literature & Comp*	130ABA	11-12	Symphonic Band*	252ABA	10-12
Accounting I	815AB	9-12	British Literature	135	10-12	Honors Symphonic Band*	254ABA	10-12
Accounting II*	818AB 818ABA	10-12	Themes in American Lit	140	10-12	Concert Orchestra	256ABA	9-12
Financial Literacy	821	11	Journalistic Composition	145ABA	10-12	Chamber Orchestra*	258ABA	10-12
Financial Literacy Online	821O	11	Adv. Journalistic Comp.*	150ABA	11-12	Honors Orchestra*	260ABA	10-12
Financial Management*	825	11-12	Mythology	155	10-12	Jazz Ensemble*	262ZZ	9-12
Intro to Digital Design	828	9-12	Literature & Film	157	10-12	Oriole Choir	264ABA	9-12
Digital Marketing*	831	9-12	Drama & Theater	169AB	10-12	Chorale	266ABA	9-12
Website Development	834	9-12	Science Fiction & Fantasy	161	10-12	Voces Bel Canto*	268ABA	10-12
IT Pro+	837	9-12	Themes of Contemporary Lit	163	10-12	Concert Choir*	270ABA	10-12
Yearbook & Publication Management	840ABA	9-12	Creative Writing	165	10-12	Honors Concert Choir*	272ABA	10-12
Yearbook & Publication Leadership*	841ABA	10-12	Advanced Creative Writing*	166	11-12	Beginning Piano	274	9-12
			Professional Writing	167	11-12	Music Theory	276AB	9-12
			Speech & Interpersonal Communication	173	10-12	World Music Experience	278	9-12
			Women in Literature	175	11-12	Music Recording & Production	280AB	9-12

Course	Course #	Grade	Course	Course #	Grade	Course	Course #	Grade
Physical Education			Science (continued)			Technology & Engineering Ed (cont)		
Foundations of Physical Education	546	9-10	Physics of Engineering - Electrical Systems*	664	10-12	Fabrication Methods*	891AB	9-12
Health	551	9-10	Physics of Engineering - Mechanical Systems*	665	10-12	Automated Manufacturing*	892AB	9-12
Health & Foundations of PE	554ABA	9-10	Science Lab Tech/Intern*	635	11-12	CNC Manufacturing*	889AB	10-12
Freshman Biology Bundle	096FBB	9	Social Studies			Power Equipment Technology	875	9-12
Fit for Life*	556	9-12	World Cultures	700AB 700ABA	9	Graphics & Photography Exploration	862	9-12
Strength & Speed for the Athlete	561	9-12	Civics*	710	9-10	Graphics Production*	863	9-12
Strength & Speed for the Athlete (Zero Hour option)+	561Z	9-12	Sociology	715	10-12	Graphics Manufacturing*	864AB	9-12
Strength & Speed for the Athlete All Year+	566ABA	9-12	Law and Order	720	10-12	Intro to Aviation & Aerospace	845AB	9-12
Individual & Dual Sports*	571	9-12	Contemporary Issues	725	10-12	TEE Student Assistant	843	11-12
Team Sports Outdoor*	577	9-12	Culture & Society	730	10-12	World Languages		
Team Sports Indoor*	578	9-12	American Military History	735	10-12	French I	300AB	9-12
Lifetime Sport & Fitness*	558	9-12	Modern American History	740	11	French II*	305AB	9-12
Lifeguarding*	581	9-12	AP US Government & Politics	745ABA	10-12			
Intro to Sports Medicine*	586	10-12	AP US History	750ABC	11-12	French III*	310ABA	9-12
Principles of Coaching*	593	10-12	Western Civilization	755	10-12	French IV*	315AB	10-12
Principles of Officiating*	594	10-12	Ancient Civilization	760	10-12	Spanish I	320AB 320ABA	9-12
Physical Education Intern*	588	12	World Religions	765	10-12	Spanish II*	325AB 325ABA	9-12
WIAA Option*	596	10-11	Economics	770	10-12	Spanish III*	330AB 330ABA	9-12
Science			AP Micro/Macro Economics	775ABA	11-12	Spanish IV*	335AB 335ABA	9-12
Biology	640AB	9-10	Intro to Psychology	780	10-12	Spanish V*	340AB	10-12
Freshman Biology Bundle	096FBB	9	AP Psychology	785ABA	10-12	Spanish VI*	350AB	10-12
Introduction to Physics*	646	9-10	AP Biology/AP Psychology Bundle*	097AP	10-12	Spanish Conversation*	345ABA	10-12
Introduction to Chemistry*	647	9-10	Technology & Engineering Ed					
STEM: Intro to Physics & Chemistry w Applied Tech*	649AB	9-10	Auto Maintenance	846	9-12			
Ecology	651	9-12	Auto Service*	849	9-12			
Earth Science	654	9-12	Auto Technician*	852AB	9-12			
Astronomy	657	9-12	Home Maintenance	855	9-12			
Advanced Astronomy*	660	10-12	Residential Construction Interiors*	858	9-12			
Physics*	663AB	10-12	Residential Construction Exteriors*	861	9-12			
AP Physics I*	666AB	10-12	VISION*	865VIS	11-12			
AP Physics II*	669AB	10-12	Wood Products I	867	9-12			
Chemistry*	672AB	10-12	Wood Products II*	870	9-12			
AP Chemistry*	675ABC	11-12	Wood Products III*	873AB	9-12			
Anatomy & Physiology-Movement*	680	10-12	Wood Products IV*	874AB	10-12			
Anatomy & Physiology-Homeostasis*	682	10-12	STEM: Intro to Physics & Chem w Applied Tech*	098SB	9-10			
AP Biology*	671ABC	10-12	Engineering Concepts	878AB	9-12			
AP Biology/AP Psychology Bundle*	097AP	10-12	Architecture*	884AB	10-12			
Forensic Science	684	9-12	Engineering Design	887AB	9-12			
PLTW: Principles of Biomedical Sciences	687AB	9-12	Engineering Solutions	890	9-12			
PLTW: Human Body Systems*	691AB	9-12	Machine Tool I	893	9-12			
PLTW: Medical Interventions*	694AB	10-12	Machine Tool II*	897	9-12			
PLTW: Biomedical Innovations*	697AB	11-12	Welding Processes I	898	9-12			
			Welding Processes II*	899	9-12			

Course Descriptions

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Agriscience

Title	Course Number	Grades	Credits
Exploring Life Science and Agriculture	600AB	9-12	1
Animal Science (ES)(TC)◆	603AB	9-12	1
Horse Science and Companion Animal	605	9-12	.5
Dairy Science*	607	9-12	.5
Veterinary Medicine (ES)*	609	9-12	.5
Plant and Soil Science (ES)	611AB	9-12	1
Horticulture and Greenhouse Management	614	9-12	.5
Wildlife and Forestry Management	617	9-12	.5
Outdoor Conservation and Management*	620	9-12	.5

600AB	<p>Exploring Life Science and Agriculture</p> <p>Grades: 9-12 Credit: 1 Prerequisites: None</p>	<p>The goal of this course is to introduce the student to the many aspects and opportunities within the industry of Agriculture/Life Sciences and the relationship of humans to the greater picture of food and fiber production. Students will explore each of the agriculture and natural resource career pathways through hands-on projects and collaborative activities. This course also focuses on leadership development and the impact that individuals can have on bettering our world.</p>
603AB	<p>Animal Science (ES)(TC)◆</p> <p>Grades: 9-12 Credit: 1 Prerequisites: None</p>	<p>This course, offered for science equivalency (ES), is designed to provide students with opportunities to expand their existing love for animals and for aspiring veterinarians. Individual interests will be recognized whenever possible allowing students to apply topics to both large and small animals. Students will become familiar with different common breeds of domesticated animals, anatomy and physiology, genetics, animal nutrition, and common preventive practices in animal health. Students may opt out of dissection activities and will be provided appropriate alternative educational activities. Experience career exploration in all aspects of the Animal Science Industry. This course may be taken with or without transcribed credit through</p>

		Lakeshore Technical College. See page 12 for details about transcribed credit.
605	Horse Science and Companion Animal Grades: 9-12 Credit: 0.5 Prerequisites: None	Attention horse, dog, cat and exotic pet lovers! If you're interested in learning more about the care of companion animals and the diversity of career opportunities in the companion animal industry, then this course is for you! Horse Science and Companion Animals will examine the science behind the relationship between humans and their pets, animal care practices and industry standards, and will provide hands-on opportunities to work through animal career experiences like handling, training, grooming and more.
607	Dairy Science* Grades: 9-12 Credit: 0.5 Prerequisites: Animal Science	California cows are happy? Ours are happier! Building upon basic knowledge from Animal Science and practical experience with dairy cattle, students will engage in modern dairy production practices. This course will emphasize facility design and management, basic dairy cattle nutrition, genetics, reproduction, and approved animal husbandry practices. Marketing of dairy products and occupations in the non-farm segment of the dairy industry will be explored. Guest speakers, such as local dairy producers, veterinarians, and milk marketing experts will add relevance to the curriculum.
609	Veterinary Medicine (ES)* Grades: 9-12 Credit: 0.5 Prerequisites: Animal Science (may be taken concurrently), OR PLTW: Human Body Systems, OR Anatomy and Physiology (both courses)	This science equivalency credit (ES) course gives students the opportunity to get an in-depth look at veterinary medicine. Using a hands-on approach, students will explore the day-to-day practices of the animal health care industry. Coursework will focus on utilizing proper terminology, animal handling, and body systems. Students will become familiar with organ systems through online simulations and animal dissections and learn and practice physical examinations, wound repair and disease identification, as well as prescribing and administering medication. Students may opt out of dissection activities and will be provided appropriate alternative educational activities.
611AB	Plant and Soil Science (ES) Grades: 9-12 Credit: 1 Prerequisites: None	This science equivalency (ES) course offers students a chance to get their hands dirty. Using our 850 sq. ft. greenhouse, you will grow your own plants and study the growth of many diverse varieties that are found in Wisconsin and around the Midwest. Why do some plants look better than others? What fertilizers should be used? Should we grow organic? We will be identifying soil types and soil structures from samples that you bring in. Soil fertility, soil chemistry, soil conservation, and pest management are among the many factors that influence Plant and Soil Science. Examining the impact of global agriculture and the sustainability of our soil and crop production to help feed our growing world population is a focus of this course.

614	Horticulture and Greenhouse Management Grades: 9-12 Credit: 0.5 Prerequisites: None	The purpose of this class is to acquaint the student with the principles of ornamental horticulture. Units covered are plant propagation, growing media, bedding plants, hanging baskets, flower arranging, garden plants, fertilizing, watering, pest control, landscaping, and careers in the green industry. Students will also start plants from seeds, cuttings and prepare baskets for a spring plant sale. Students normally take a number of house plants home to keep.
617	Wildlife and Forestry Management Grades: 9-12 Credit: 0.5 Prerequisites: None	This course deals with the separate and interrelated aspects of wildlife and forestry management at the local, state, and national levels. Students will study tree growth, tree identification, and approved forest management practices. The remainder of the course will be dedicated to Wisconsin and North American wildlife identification, fish taxidermy, habitat preservation, and the interrelationship between wildlife and forestry management. Guest speakers, such as taxidermists, foresters, wildlife biologists, and wardens, will add relevance to the curriculum. This course has a \$10 fee.
620	Outdoor Conservation and Management* Grades: 9-12 Credit: 0.5 Prerequisites: Wildlife and Forestry Management	So you enjoy Wisconsin's natural resources? Do you hunt, fish, snowmobile, or ATV? Are you thinking natural resources may hold a career for you? Are you concerned with the future availability of our natural resources? This class will focus on the ways we interact with and impact our natural environment and local ecosystems. Students will also have the opportunity to gain DNR safety certifications in multiple areas. Get out and enjoy Wisconsin's natural resources and help them remain productive for generations to come!

Careers in Agriscience

Agricultural Economist
Agricultural Education Teacher
Agricultural Engineer
Agricultural Photographer
Animal Nutritionist
Animal Scientist
Arborist
Beef Producer
Beekeeper
Biochemist
Biological Scientist
Bioterrorism Specialist
Botanist
Christmas Tree Producer
Climatologist
Crop Consultant
Ecologist

Epidemiologist
Farm Manager
Fish Farmer
Florist
Food Scientist
Forest Ranger
Fruit and Nut Producer
Game Animal Farmer
Game Warden
Geneticist
Greenhouse Manager
Greenskeeper
Grounds Manager
Hydrologist
Irrigation Specialist
Logging Specialist
Lumber Sales
Marine Biologist

Nutritionist
Park Ranger
Pharmacologist
Pick-Your-Own Producer
Plant Pathologist
Scientific Illustrator
Soil Scientist
Surveyor
Swine Producer
Tree Surgeon
Vegetable Farmer
Veterinary
Viticulturist
Waste Management Specialist
Water Specialist
Wildlife Biologist
Zoo Keeper

Environmental Engineer
Environmental Scientist

Meteorologist
Microbiologist

Zoologist

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Art

Title	Course Number	Grades	Credits
Introduction to Art	200AB	9-12	1
Drawing and Painting I*	205AB	9-12	1
Drawing and Painting II*	210AB	10-12	1
Pottery, Metals, and Sculpture I*	215AB	9-12	1
Pottery, Metals, and Sculpture II*	220AB	10-12	1
Art in the Community*	228ABA	9-12	1
AP Art and Design*◆^	230ABA	11-12	1

200AB	<p>Introduction to Art</p> <p>Grades: 9-12 Credit: 1 Prerequisites: None</p>	<p>This course offers students the experience of exploring the principles and elements of art. The principles and elements of art are the backbone of knowledge needed to create any form of art in any medium. Students will explore composition, perspective, color theory, form, space, texture and design to create original drawings, paintings, pottery, sculpture, and jewelry. Students will learn to research art and art history and to plan in order to design original work. After taking this course, students will have the foundation needed for Drawing and Painting I and Pottery, Metals, and Sculpture I. This course has a \$30 fee.</p>
205AB	<p>Drawing and Painting I*</p> <p>Grades: 9-12 Credit: 1 Prerequisites: Introduction to Art</p>	<p>This class is designed to help students develop basic drawing and painting skills and will expand students' knowledge of the principles and elements of art studied in Introduction to Art. Students will research and plan for original compositions and explore a variety of drawing and painting mediums such as colored pencil, pastels and charcoal, watercolors and acrylic paints. Emphasis will be placed on composition,</p>

		values, perspective, and color theory. Students will be encouraged to create unique and personal art. This course has a \$20 fee.
210AB	Drawing and Painting II* Grades: 10-12 Credit: 1 Prerequisites: Drawing and Painting I OR 2-D Art and Design	This class is designed for students who would like to further develop their drawing and painting skills. This course will expand students' exploration of media and techniques studied in Drawing and Painting I (or 2-D Art and Design) and additional mediums available to the contemporary artist. Students will research art and art history, plan, and create unique original 2-dimensional art. This course has a \$20 fee.
215AB	Pottery, Metals, and Sculpture I* Grades: 9-12 Credit: 1 Prerequisites: Introduction to Art	This course explores basic techniques to create art in clay, metals, and other 3-dimensional media. Students will research and use their knowledge of the principles and elements of art from the Introduction to Art course to plan and design functional and sculptural art forms. Students will experience clay hand building techniques and creating various forms on the potter's wheel through basic throwing techniques. Students will research and plan designs to be developed into fabricated jewelry. This course has a \$20 fee.
220AB	Pottery, Metals, and Sculpture II* Grades: 10-12 Credit: 1 Prerequisites: Pottery, Metals, and Sculpture I OR 3-D Art and Design	This course explores advanced techniques to create art in clay, metals, and other 3-dimensional media. Students will research and continue their exploration of form and techniques from the Pottery, Metals, and Sculpture I (or 3-D Art and Design) course. Students will experience more involved clay hand building techniques and creating various forms on the potter's wheel through advanced throwing techniques. Students will research and plan designs to be developed into fabricated jewelry. Students will experience the ancient art of lost wax casting to create cast jewelry forms. This course has a \$20 fee.
228ABA	Art in the Community* Grades: 9-12 Credit: 1 Prerequisites: Introduction to Art	This course is for the gifted and motivated students of art. Students will look at how public artwork affects the community for which it was made. They will cultivate relationships within Hartford, WI by interviewing members of our local community. Students will work together as a group to create artworks with deep attention to the roles of audience and purpose in art.
230ABA	AP Art and Design*♦^ Grades: 11-12 Credit: 1 Prerequisites: Introduction to Art AND any combination	This course is for the visually gifted and independently motivated art student. In this course students will use their knowledge of art and talent to create one of three portfolio types, 2-D Design, 3-D Design or Drawing. The completed portfolios are sent to the college board for scoring at the end of the year. This portfolio is the AP "test." A passing score will earn the student college credit. This course has a \$45 fee.

of 2 other Art department credits, OR recommendation from Art instructor.

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Business and Information Technology

Title	Course Number	Grades	Credits
Exploring Business	800	9-12	0.5
Entrepreneurship (DC)♦^	803	11-12	0.5
Leadership and Management	806	9-12	0.5
Principles of Marketing	809	9-12	0.5
Sports and Entertainment Marketing*	812	9-12	0.5
Accounting I	815AB	9-12	1
Accounting II (DC)*♦^	818AB or 818ABA	10-12	1
Financial Literacy	821	11	0.5
Financial Literacy Online	821O	11	0.5
Financial Management (DC)*♦^	825	11-12	0.5
Introduction to Digital Design	828	9-12	0.5
Digital Marketing*	831	9-12	0.5
Website Development	834	9-12	0.5
IT Pro (TC)♦^	837	9-12	0.5
Yearbook and Publication Management	840ABA	9-12	1
Yearbook and Publication Leadership*+	841ABA	10-12	1

<p>800</p>	<p>Exploring Business</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: None</p>	<p>Exploring Business will introduce students to the constantly changing world of Business and Information Technology. This course is designed to introduce students to a wide variety of topics including, but not limited to: Accounting, Business Management, Business Communication, Economics, Entrepreneurship, Information Technology. The curriculum is designed to highlight key components of business and develop student passions. Students will develop a broad range of skills that will help them become more efficient and professional.</p>
<p>803</p>	<p>Entrepreneurship (DC)◆^</p> <p>Grades: 11-12 Credit: 0.5 Prerequisites: None</p>	<p>Are you interested in starting your own business and being your own boss? Then Entrepreneurship is the course for you! This course teaches students the business and academic skills they need to build and manage a successful 21st century business. Topics include, but are not limited to, an overview of Entrepreneurship; Innovation and Creativity; Opportunity Recognition; Business Planning; Marketing and Market Research; Entrepreneurial Finance; Business Operations; and Business Exit Strategies. Students experience hands-on learning through a wide variety of activities and individual projects throughout the course. Students can earn dual credit through University of Iowa, as the content of Entrepreneurship aligns to U of I's Exploring Entrepreneurship course. See page 10 for details about dual credit.</p>
<p>806</p>	<p>Leadership and Management</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: None</p>	<p>Students in this course will receive a foundational level of knowledge on management and leadership. Students will implement project-based learning to better themselves as leaders and to understand the various roles and challenges that managers are presented with. Group work will be emphasized, as effective teams can be an asset to any workplace. Connections with community organizations will be made to provide a service component to this course. Through this service component students will have the opportunity to work and manage the school store. This will give students the opportunity to apply their management skills and leadership abilities. The importance of an ethical code will be an emphasis throughout all units. Students will leave with a researched position to the fundamental question, "are all managers leaders?"</p>
<p>809</p>	<p>Principles of Marketing</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: None</p>	<p>Are you interested in a career in business? Enter Marketing! In the exciting world of marketing you will gain experience in sales, advertising, entrepreneurship, and business management. Through this course you will gain the skills and knowledge to succeed in the business world. Through a project-based curriculum you will get a hands-on approach to growing your business knowledge and abilities. This class is suitable for both college-bound and career ready students.</p>

<p>812</p>	<p>Sports and Entertainment Marketing*</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: Principles of Marketing</p>	<p>In this course students will be expected to know and understand the basic marketing concepts from Principles of Marketing. Sports and Entertainment Marketing focuses on marketing and management functions/tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, selling or renting of supplies and equipment (other than vehicles) used for recreational or sporting purposes, products and services related to hobbies or cultural events, or businesses primarily engaged in satisfying the desire to make productive or enjoyable use of leisure time.</p>
<p>815AB</p>	<p>Accounting I</p> <p>Grades: 9-12 Credit: 1 Prerequisites: None</p>	<p>Accounting is the language of business. This course is a must-have for students who plan to pursue any business-related degree/field or any entrepreneurship opportunity. The course provides an understanding of a complete accounting cycle needed to operate a business efficiently and effectively. Accounting provides a strong foundation of business operation knowledge along with the necessary components to start a career in Accounting. HUHS has a partnership with the Green Bay Packers and each year students get an opportunity to attend the Green and Gold Career Day at Lambeau Field with presentations and discussion on accounting and financial related topics.</p>
<p>818AB 818ABA</p>	<p>Accounting II (DC)*♦^</p> <p>Grades: 10-12 Credit: 1 Prerequisites: Principles of Accounting</p>	<p>This course will review foundational accounting concepts and focus on more advanced accounting theories, principles, and applications. Emphasis is given to the analysis and interpretation of financial activity, preparing and interpreting financial statements, and applying accounting theory in decision making. Students can earn dual credit through Lakeland University, as the content of Accounting II aligns to LU's Financial Accounting Principles course. See page 10 for details about dual credit.</p>
<p>821 821O</p>	<p>Financial Literacy</p> <p>Grades: 11 Credit: 0.5 Prerequisites: None</p>	<p>Students take an in-depth look at the financial survival skills needed in today's world, including, but not limited to: Negotiation, Traditional Banking, Online Banking, Taxes, Budgeting, Financial Security (Identity Theft Protection), Credit (Good Debt, Bad Debt), Investing, Paying for College, Purchasing Vehicles, Apartment Rental, Insurance, and Purchasing a Home. At the conclusion of the course, students will take the W!SE National Financial Certification Exam for an opportunity to earn the certification. Students will also focus on job campaign materials and interviewing techniques. All students will be required to complete a job shadow as part of the course in addition to participating in the school's annual Focus on Connections event.</p>
<p>825</p>	<p>Financial Management</p>	<p>Students will expand the depth of their personal finance knowledge by exploring advanced topics through a series of real-world projects.</p>

	<p>(DC)*♦^</p> <p>Grades: 11-12 Credit: 0.5 Prerequisites: Financial Literacy</p>	<p>Topics include, but are not limited to, advanced investing strategies, cash management tools, tax planning and implications, advanced insurance and risk management, consumer protection, estate planning process, and advanced credit and lending. Students will be better prepared to navigate the ever-changing financial landscape and explore career options in the area of finance. Students can earn dual credit through UW-Oshkosh, as the content of Financial Management aligns to UWO's Business 231 course. See page 10 for details about dual credit.</p>
828	<p>Introduction to Digital Design</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: None</p>	<p>Intro to Digital Design will provide students an understanding of the principles of visual design and the ability to create professional graphics on the same software used by industry professionals - Adobe PhotoShop and Illustrator. Beyond software competency students will begin to understand how to develop content for various audiences and platforms. As the world we live in becomes more visual and highly digitized these skills will prove invaluable. Students will have the opportunity to apply and showcase their learning on real-world design projects for the school and Hartford community.</p>
831	<p>Digital Marketing*</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: Principles of Marketing</p>	<p>Digital marketing has become an increasingly important element of marketing plans for companies of all sizes. Students enrolled in this course will research and discover the importance of digital media and apply effective strategies to company websites, company social media pages, and eCommerce stores. Students enrolled in this course must take Principles of Marketing and are encouraged to participate in DECA.</p>
834	<p>Website Development</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: None</p>	<p>In this course, students will learn a variety of design principles and strategies that go into building websites. This course will give students experiences in traditional and new-school design options including today's most advanced web editors using HTML 5. This is the ideal course for the student who has an interest in design and/or starting a business. Our partnership with the community puts students in a leadership position as we build and manage websites for local businesses and the Hartford community. HTML Topics include: Introduction, Links, Images, Classes, JavaScript, Layout, Responsiveness, Forms, Media, Video, Audio, Plug-ins, and Geolocation among others.</p>
837	<p>IT Pro (TC)♦</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: None</p>	<p>In this course students will be on a personalized learning plan to achieve industry recognized certifications. The certifications focus on CyberSecurity, Hardware, Ethical Hacking, Networking, Office Productivity (PowerPoint, Excel, Word), and Software. Students will choose the area(s) they are most interested in and prepare for that industry certification. Students will obtain real-world applicable skills to "power-up" their resumes and create a competitive advantage. Students</p>

		can repeat this course multiple times to earn a different certification. Students can earn transcribed credit through MPTC, as the content of IT Pro aligns to MPTC's Microsoft PowerPoint course. See page 12 for details about transcribed credit.
840ABA	Yearbook and Publication Management Grades: 9-12 Credit: 1 Prerequisites: None	In this course, students design the HUHS Yearbook. Students will gain skills in the following areas: graphic design principles, photo editing, page design, photography, copywriting, marketing, distribution, time management, and teamwork. Help make HUHS memories last a lifetime in this fun, project based course!
841ABA	Yearbook and Publication Leadership*+ Grades: 10-12 Credit: 1 Prerequisites: Yearbook and Publication Management	In this second yearbook course, students will gain skills in the following areas: experience in leading a group of students toward a goal, graphic design principles, photo editing, page design, photography, copywriting, marketing, distribution, time management, and teamwork. Help lead other students while creating a yearbook that you'll remember forever! Students may take this class multiple times with principal approval.

Careers in Business and Information Technology

Accountant
Auditor
Controller
Entrepreneur
Human Resources Manager
Lawyer
Paralegal
Media Specialist

Search Engine
Marketing Specialist
Social Networking Specialist
Web Developer
Account Executive
Advertising Manager
Merchandise Buyers
Promotions Manager

Sales Manager
Sales Representative
Debt Counselor
Financial Analyst
Internal Auditor
Personal Financial Advisor
Stock Broker

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Computer Science

Title	Course Number	Grades	Credits
Programming with Game Design	470	9-12	0.5
Programming with Modern Languages (TC)*♦	475	9-12	0.5
Esports*	478AB	10-12	1
AP Computer Science - JAVA (TC)*♦^	480AB	10-12	1
AP Computer Science Principles*♦^	485AB	11-12	1

470	<p>Programming with Game Design</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: None</p>	<p>Programming with Game Design is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. Anyone with an interest in computer science is welcome. This course is an elective and does not count toward the Mathematics graduation requirement.</p>
475	<p>Programming with Modern Languages (TC)*♦</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: Programming with Game Design OR Exploring Computer Science OR instructor consent</p>	<p>Programming with Modern Languages emphasizes principles of software development, style, and testing. Topics include procedures and functions, iteration, recursion, arrays, strings and operational model of procedure and function calls, algorithms, and GUIs (graphical user interfaces). In this course students will study the programming language Python and other languages that are used in companies such as Instagram, Spotify, Amazon and Facebook. This course is an elective and does not count toward the Mathematics graduation requirement. Students can earn transcribed credit through MPTC, as the content of Programming with Modern Languages aligns to MPTC's Introduction to Programming course. See page 12 for details about transcribed credit.</p>

478AB	Esports* Grades: 10-12 Credit: 1 Prerequisites: 1 credit of Computer Science courses	This course provides an introduction to Esports. The focus of the course is on learning the Esports Foundations, the professional lifestyle of the players, how streaming works, and the current status of the industry. In this course, students will not only learn about the esports industry, they will also engage in the play experience and get a deeper insight into the esports ecosystem. This course is an elective and does not count toward the Mathematics graduation requirement.
480AB	AP Computer Science - JAVA (TC)*♦^ Grades: 10-12 Credit: 1 Prerequisites: Algebra II AND at least one other Computer Science course NCAA Approved	Students in this class will be learning computer programming in Java, an object-oriented language. The contents will be similar to that offered in an introductory computer science class at most universities. Topics include basics of input and output, data types, branching and iteration, creating methods and classes, searching and sorting, arrays, inheritance, and recursion. Emphasis will be on program planning and structure using top-down design. Students taking AP Computer Science-Java and AP Computer Science Principles will receive 1 credit toward the Mathematics graduation requirement. The other credit will count as an elective. Students can earn transcribed credit through MPTC, as the content of AP Computer Science-Java aligns to MPTC's Java Programming course. See page 12 for details about transcribed credit.
485AB	AP Computer Science Principles*♦^ Grades: 11-12 Credit: 1 Prerequisites: Algebra II (or concurrent) And at least one other Computer Science course OR instructor consent NCAA Approved	This is an entry-level course that introduces students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming and algorithms (including creating apps using the language JavaScript), how the Internet works, Big Data, Digital privacy and security, and the societal impacts of computing. AP credit for this class satisfies a general education requirement for a computer science course at many colleges and universities (check with your college/university for details). Students taking AP Computer Science Principles and AP Computer Science-Java will receive 1 credit toward the Mathematics graduation requirement. The other credit will count as an elective.

Careers in Computer Science

Computer Programmer
 Software Developer
 Web Developer
 Software Engineer

Database Administrator
 IT Architect
 Network Administrator
 Systems Analyst

Security Analyst
 Information Researcher
 Video Game Developer
 Data Scientist

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Educational & Career Opportunities

Title	Course Number	Grades	Credits
Certified Nursing Assistant◆^	285	11-12	0.5
Emergency Medical Technician◆^	287EMT	12	2
Youth Apprenticeship	0YA	11-12	Up to 2
GPS Education Partners	292AB	11-12	

285	<p>Certified Nursing Assistant◆^</p> <p>Grades: 11-12 Credit: 0.5 Prerequisites: None</p>	<p>This course is designed to prepare students to acquire the CNA license and to work as a nursing assistant in a variety of health care settings. It will focus on the basic nursing knowledge and skills needed to care for individuals with dignity and respect. It is taught by MPTC instructors at HUHS.</p> <p>Students must complete a formal training program approved by the Wisconsin Department of Health that meets state and federal guidelines, and pass a competency examination. The curriculum must include at least 75 hours of combined classroom and lab.</p> <p>Students will be encouraged to take the CNA Exams to become licensed CNAs after they complete the course. Students will earn 0.5 HUHS elective credit and 2 MPTC college credits. HUHS pays for tuition and books (\$575). Student costs include MPTC application (\$30), background check (\$45), ID badge (\$15), and CNA exams (\$255).</p>
287EMT	<p>Emergency Medical Technician◆^</p> <p>Grades: 12 Credit: 2 Prerequisites: None</p>	<p>The EMT-Basic course will be taught in accordance with the Wisconsin EMT-Basic Curriculum, which is based upon the National Emergency Medical Services Education Standards document (http://www.ems.gov/pdf/811077a.pdf) and the National EMS Scope of Practice document (http://www.ems.gov/education/EMSScope.pdf).</p> <p>Emergency Medical Technicians' scope of practice includes basic, non-invasive interventions to reduce morbidity and mortality of patients' associated medical and traumatic emergencies. Additionally, Emergency Medical Technicians provide care to minimize secondary injury and provide comfort to the patient and family while transporting the patient to an emergency care facility. Must be 17 years old to enroll in the course.</p>

		<p>Students must complete an online Basic Life Support course during the summer prior to the start of school.</p> <p>Students will be encouraged to take the NREMT Certification Exams to become licensed EMTs after they complete the course. Students will earn 2 HUHS elective credits and 5 MPTC college credits. HUHS pays for tuition and books (\$1307.50). Student costs include MPTC application (\$30), background check (\$45), ID badge (\$15), uniform (\$10) and NREMT exams (\$230).</p>
0YA	<p>Youth Apprenticeship</p> <p>Grades: 11-12 Credit: up to 2 credits each year Prerequisites: 1 credit of coursework related to employment (or concurrent enrollment)</p>	<p>The Youth Apprenticeship program is a work-based education opportunity that is a structured method of combining classroom-based education with related, practical work experience. It provides academic credits for structured job experiences while helping students make the transition to post high school life/work/education. Students are supervised “on the job” by employers who are in communication with our YA Coordinator. Students must be employed at qualified work sites that meet Department of Workforce Development (DWD) Youth Apprenticeship Program requirements. To earn credit, students are required to work 450 total hours (an average of 15 hours per week), submit timesheets, earn a satisfactory employer job performance rating, and meet the competency checklist. School release time is available for students in this program and will vary based on student course schedules and employer expectations. Juniors may continue with the program their senior year in the same or different career pathway.</p>
292AB	<p>GPS Education Partners</p> <p>Grades: 11-12</p>	<p>GPS is an immersive youth apprenticeship program in the field of manufacturing. Students must be 16 years old to enter the program and have been in high school a minimum of two years. Typically, students participate in the program during their junior and senior years of high school; there are some students who attend only their senior year. Students in the GPS program attend class at a local off-site education center. Students attend class part of the day and work in area manufacturing businesses for part of the day. This model is a competency-based, immersive learning experience aligned to education and industry standards.</p>

Key:

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English

Title	Course Number	Grades	Credits
English I	100AB	9-10	1
Honors English I	105AB or 105ABA	9	1
English II*	110AB or 110ABA	9-10	1
Honors English II*	115AB or 115ABA	9-10	1
English III*	120AB or 120ABA	10-12	1
AP Language and Composition (DC)*◆^	125AB or 125ABA	10-12	1
AP Literature and Composition*◆^	130AB	11-12	1
British Literature	135	10-12	0.5
Themes in American Literature	140	10-12	0.5
Journalistic Composition (DC)◆^	145ABA	10-12	1
Advanced Journalistic Composition (DC)*◆^	150ABA	11-12	1
Mythology	155	10-12	0.5
Literature and Film (DC)◆^	157	10-12	0.5
Drama & Theater#	169AB	10-12	1#
Science Fiction and Fantasy	161	10-12	0.5
Themes of Contemporary Literature*	163	10-12	0.5
Creative Writing	165	10-12	0.5
Advanced Creative Writing (DC)*◆^	166	11-12	0.5
Professional Writing	167	11-12	0.5
Speech and Interpersonal Communication	173	10-12	0.5
Women in Literature (DC)◆^	175	11-12	0.5

#This course offers 0.5 English credit and 0.5 elective credit

<p>100AB</p>	<p>English I</p> <p>Grades: 9-10 Credit: 1 Prerequisites: None NCAA Approved</p>	<p>English I is a required, 1.0 credit survey course that integrates literature, composition, and speech. Students will study fundamental language, writing, reading, and speaking skills. The first semester targets basic expository and narrative writing and literary analysis. The second semester targets research, non-fiction reading, and the in-depth study of both a novel and a drama.</p>
<p>105AB 105ABA</p>	<p>Honors English I</p> <p>Grades: 9 Credit: 1 Prerequisites: None NCAA Approved</p>	<p>Honors English I is a 1.0 credit survey course that integrates literature, composition, and speech. Students will study fundamental language, writing, reading, and speaking skills. The Honors English I class will cover the same topics as English I, but more in depth, and with greater rigor and higher expectations. Honors students will focus on critical thinking and analysis of both literature and writing.</p>
<p>110AB 110ABA</p>	<p>English II*</p> <p>Grades: 9-10 Credit: 1 Prerequisites: English I NCAA Approved</p>	<p>English II is a required, 1.0 credit course that integrates literature, composition, and speech. The emphasis of English II is the study and critical response to various literary works from American authors, including speeches, essays, and both classic and contemporary literature. Students will continue to build on skills learned in English I through increasingly challenging reading, writing, speaking, and research activities that require synthesis and argumentative skills.</p>
<p>115AB 115ABA</p>	<p>Honors English II*</p> <p>Grades: 9-10 Credit: 1 Prerequisites: English I / Honors English I NCAA Approved</p>	<p>English II is a required, 1.0 credit course that integrates literature, composition, and speech. The emphasis of English II is the study and critical response to various literary works from American authors, including speeches, essays, and both classic and contemporary literature. Students will continue to build on skills learned in English I through increasingly challenging reading, writing, speaking, and research activities that require synthesis and argumentative skills. Students in Honors English II will explore and discuss works more deeply, and the focus will be on analytical thinking and how to convey complex thinking through various modes of writing and speaking.</p>
<p>120AB 120ABA</p>	<p>English III*</p> <p>Grades: 10-12 Credit: 1 Prerequisites: English II NCAA Approved</p>	<p>English III is a required, 1.0 credit course (unless taking AP Language and Composition). This course will be a survey of various genres of World Literature from different time periods and regions. Classic as well as contemporary texts from various cultures and times may be studied. Students will gain a better understanding of themselves, the accomplishments and contributions of other civilizations, and the human condition. Students will also improve skills of analysis, critical thinking, writing, speaking and listening, vocabulary, and literary concepts as they grow in their understanding of the world.</p>

<p>125AB 125ABA</p>	<p>AP Language and Composition (DC)*♦^</p> <p>Grades: 10-12 Credit: 1 Prerequisites: English II/Honors English II NCAA Approved</p>	<p>AP Language and Composition is a college-level class that will emphasize the development of skills critical in analytical writing and reading. Special emphasis is placed on language, rhetoric, and style. The course will focus on preparing students for the AP Language and Composition test in May. Summer work prior to the course is expected. Students can earn dual credit through UWO's CAPP program, as the content of AP Language and Composition aligns to UWO's Writing 101 course. See page 10 for details about dual credit.</p>
<p>130AB</p>	<p>AP Literature and Composition*♦^</p> <p>Grades: 11-12 Credit: 1 Prerequisites: English II/Honors English II NCAA Approved</p>	<p>AP Literature and Composition is designed to prepare students for reading and writing at the college level and for the AP English Literature and Composition exam in May. The focus is on close, critical reading of poetry, drama, and prose fiction from the 16th century to the present. Critical discussion and writing about these works will center on each writer's technique, theme, style, and tone. Summer reading prior to the course is expected.</p>
<p>135</p>	<p>British Literature</p> <p>Grades:10-12 Credit: 0.5 Prerequisites: None NCAA Approved</p>	<p>British Literature is a thematically-driven class that will emphasize the following skills: reading, comprehension, composition, literary analysis, and listening/note-taking. This class will also emphasize the 21st century skills of global awareness and civic literacy. This course prepares students for higher levels of study within all post-secondary studies of British literature and history. Likewise, the class will engender an understanding and appreciation for this ever-changing nation and its equally dynamic art form.</p>
<p>140</p>	<p>Themes in American Literature</p> <p>Grades: 10-12 Credit: 0.5 Prerequisites: None</p>	<p>Themes in American Literature examines a variety of literary forms, including poetry, drama, and prose. Active reading strategies, literary analysis, process writing, discussion, and critical thinking skills will be utilized to establish and evaluate abstract thinking. Through reading literature, students will come to a greater appreciation of varying perspectives while simultaneously gaining a better understanding of themselves and American culture.</p>
<p>145ABA</p>	<p>Journalistic Composition (DC)♦^</p> <p>Grades: 10-12 Credit: 1 Prerequisites: None NCAA Approved</p>	<p>This course is for first-year newspaper staff in which the students prepare the school newspaper, Hartford Chronicle, for publication. Students will research articles pertaining to the school and the community. Students will compose a variety of media writing, including news, features, sports, editorials, and advertisement copy. In addition to writing, students will be responsible for selling advertisements, taking pictures, and arranging newspaper layouts. Students can earn dual credit through UWO's CAPP program, as the content of Journalistic Composition aligns to UWO's Journalism 141 course. See page 10 for details about dual credit.</p>

150ABA	Advanced Journalistic Composition (DC)*◆^ Grades: 11-12 Credit: 1 Prerequisites: Journalistic Composition	This course is for returning newspaper staff. As a second year class, students will be expected to mentor new students on the newspaper and take on leadership roles such as being the editor for various sections of the newspaper. In addition, students will continue to strengthen their media writing skills. Students can earn dual credit through UWO's CAPP program, as the content of Advanced Journalistic Composition aligns to UWO's Journalism 221 course. See page 10 for details about dual credit.
155	Mythology Grades: 10-12 Credit: 0.5 Prerequisites: None NCAA Approved	Myths have been told for thousands of years and are part of the foundations of modern literature. Students will study the stories found in mythologies from around the world, from Europe and the Mediterranean to China, India, and the Americas. These studies will focus on the purpose of myths, their similarities and differences across regions, as well as the changes to the original stories over time through various influences. Students will be expected to read translations of original texts and recognize recurring trends and images throughout the course.
157	Literature and Film (DC)◆^ Grades: 10-12 Credit: 0.5 Prerequisites: None For CAPP Credit: B in AP Lang OR a 3 on the AP Test OR passing Writing 101 CAPP	Literature and Film is an introduction to the understanding, analysis, and creation of film and its narrative. The class is organized around a central question: How do films tell stories? The four basic elements of film (mise-en-scene, cinematography, editing, and sound) will be discussed in depth. The class will consider how these elements provide information about plot structure, character, and narration within a variety of film genres. This course is designed to meet the individual reading needs and learning styles of students interested in studying the correlation of literary techniques applied to the visual medium. Students can earn dual credit through UWO's CAPP program, as the content of Literature and Film aligns to UWO's English 231 course. See page 10 for details about dual credit.
169AB	Drama & Theater Grades: 10-12 Credit: 1 Prerequisites: None	Drama and Theater introduces students to the foundations of drama as literature as well as the theatrical elements of performance and design. Students will read, watch, write about, and analyze mature, high-interest plays and musicals from ancient to modern times, examining specifically the overall cultural impact of each work. Through the study of these selected plays, students will also learn about the history of theater, the elements of production design, and performance techniques with attention to body movement, vocal technique, and interpretation. This course offers ½ English credit and ½ elective credit.
161	Science Fiction and Fantasy Grades: 10-12	Students will examine the ways in which science fiction and fantasy reflect popular culture and the concerns of society today. In reading novels and short stories by authors from various time periods, and in viewing excerpts from some science fiction and fantasy films and

	Credit: 0.5 Prerequisites: None NCAA Approved	television shows, students will sharpen their abilities to analyze, to think critically, and to make both inter-textual and global connections.
163	Themes of Contemporary Literature* Grades: 10-12 Credit: 0.5 Prerequisites: English II NCAA Approved	One component of English is to create life-long readers and writers. After leaving high school, most read various types of writing of which a considerable amount is defined by modern popular culture. Much of the material being consumed and aimed at younger people is ripe for study beyond the surface of the page. Contemporary Literature strives to immerse students in a deeper understanding of the current forms, from best-selling prose to graphic novels to verse prose to poetry in a workshop-style learning environment.
165	Creative Writing Grades: 10-12 Credit: 0.5 Prerequisites: None NCAA Approved	Creative Writing is an exploration of language and genre. Students will study the nuances of language and learn how authors can use words to create vivid, sensory experiences for their readers. Students will pay close attention to diction, figurative language, and imagery as they create their own original prose and poetry pieces.
166	Advanced Creative Writing (DC)*♦^ Grades: 11-12 Credit: 0.5 Prerequisites: Creative Writing NCAA Approved For CAPP Credit: B in AP Lang OR a 3 on the AP Test	The process of Creative Writing develops creative thoughts, encourages students to use their imaginations, it helps broaden their thought process and problem-solving abilities. Advanced Creative Writing will build on the skills gained in Creative Writing. In addition, it also allows a student to show his or her opinions and develop a voice in writing. As students write, they will need to devise alternative patterns, so Advanced Creative Writing also improves their logical thinking skills. This particular class would focus on poetry, creative nonfiction, literary journalism, and develop deeper fiction writing skills. Students can earn dual credit through UWO's CAPP program, as the content of Advanced Creative Writing aligns to UWO's English 204 course. See page 10 for details about dual credit.
167	Professional Writing Grades: 11-12 Credit: 0.5 Prerequisites: None	This course is designed to improve the communication skills and career prospects for students interested in degrees and/or careers in businesses of any kind. Typical projects include revising, audience analysis, researching and writing a proposal, informational reports, memos, emails, letters, etc. Students will study and expand their knowledge of communication skills, how culture impacts the ability to communicate, how a person's views of him/herself impacts communication, and how perception impacts communication.
173	Speech and Interpersonal Communication	This course is designed to help students with both their public speaking and interpersonal communication skills needed in both the workplace and social life. Students will develop public speaking skills with attention to both verbal and nonverbal communication. Furthermore, they will

	<p>Grades: 10-12 Credit: 0.5 Prerequisites: None</p>	<p>develop practical skills related to human communication including conflict resolution, perception checking, and navigating group dynamics. Projects include both speeches and written analyses of communication situations.</p>
175	<p>Women in Literature (DC)♦^</p> <p>Grades: 11-12 Credit: 0.5 Prerequisites: None NCAA Approved</p> <p>For CAPP Credit: B in AP Lang OR a 3 on the AP Test OR passing Writing 101 CAPP</p>	<p>This course will examine a combination of fiction, nonfiction, autofiction, and biographical fiction - a mix meant for examining the perspectives of women authors and memorable female characters of the 20th and 21st centuries. The specific emphasis on feminist literary criticism as an analytic tool will guide us toward analyzing a multitude of texts representing women and female experiences in literature. Students can earn dual credit through UWO's CAPP program, as the content of Women in Literature aligns to UWO's English 224 course. See page 10 for details about dual credit.</p>

Careers in English

Digital Copywriter
 Editorial Assistant
 English as a Foreign Language Teacher
 Lexicographer
 Magazine Journalist
 Newspaper Journalist
 Publishing Copy-Editor/Proofreader

Web Content Manager
 Writer
 Academic Librarian
 Advertising Account Executive
 Advertising Copywriter
 Arts Administrator
 Information Officer
 Marketing Executive

PPC Specialist
 Primary School Teacher
 Public Relations Officer
 Records Manager
 Secondary School
 Teacher-English/Language Arts
 Social Media Manager

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Family and Consumer Science

Title	Course Number	Grades	Credits
Culinary Arts I	500	9-12	0.5
Culinary Arts II (TC)*◆	505	9-12	0.5
Culinary Arts III (TC)*◆	510AB	10-12	1
Culinary Arts IV*	515AB	10-12	1
Health and Human Service Careers	520	9-12	0.5
Personal Style and Design	525	9-12	0.5
Parenting	530	10-12	0.5
Child Care Services (TC)*◆	535AB	11-12	1

500	<p>Culinary Arts I</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: None</p>	<p>In this course students will learn all of the fundamentals needed to be successful in a kitchen with a primary focus on knife skills. They will also be in many labs working with fruits, vegetables, main course items, and a number of desserts! This course has a \$20 fee.</p>
505	<p>Culinary Arts II (TC)*◆</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: Culinary Arts I</p>	<p>Students in this course will continue practicing different cooking techniques in labs while also working with a variety of foods! They will learn about incorporating herbs and spices and have opportunities to showcase their skills in garnishing and plating techniques! Students can earn transcribed credit through MPTC, as the content of Culinary Arts II aligns to MPTC's Breakfast Cookery course. See page 12 for details about transcribed credit. This course has a \$20 fee.</p>
510AB	<p>Culinary Arts III (TC)*◆</p> <p>Grades: 10-12 Credit: 1 Prerequisites: Culinary Arts II</p>	<p>This course will provide many opportunities to work with food at a higher-level including preparing specialty items for various events! Students will also be able to compete against each other in various cooking challenges in class! Students can earn transcribed credit for 2 courses through MPTC, as the content of Culinary Arts III aligns to MPTC's Culinary Principles and Soups & Sauces courses. See page 12 for details about transcribed credit. This course has a \$40 fee.</p>

515AB	Culinary Arts IV* Grades: 10-12 Credit: 1 Prerequisites: Culinary Arts III	Our highest-level culinary course will showcase our student's skills at additional catering events. Students may also work independently towards their ProStart industry certifications, along with the more prestigious Certificate of Achievement if they are currently working in the restaurant industry and meet various criteria. This course has a \$40 fee.
520	Health and Human Service Careers Grades: 9-12 Credit: 0.5 Prerequisites: None	In this course, students will explore careers in the Healthcare and Human Services fields. In addition to hearing from guest speakers, students will identify careers that match their strengths, interests, and personality. Students will also explore topics such as legalities, ethics, communication, human development, cultural diversity and trends, to give them an overall perspective of these two important career pathways.
525	Personal Style and Design Grades: 9-12 Credit: 0.5 Prerequisites: None	In this course, students will be exposed to three areas of style and design: fashion design, interior design, and cosmetology. Students will explore the concept of beauty and demonstrate their knowledge of the elements and principles of design through makeup application, fashion portfolios, and room decoration.
530	Parenting Grades: 10-12 Credit: 0.5 Prerequisites: None	This course introduces students to responsible nurturing of children, basic tenets of child development, prenatal care and fetal development. There is an emphasis on responsibilities of parents, readiness for parenting, and the influence parents have on children. Students will earn their Abusive Head Trauma Prevention Training certification (formally Shaken Baby Syndrome prevention).
535AB	Child Care Services (TC)*♦ Grades: 11-12 Credit: 1 Prerequisites: Parenting	This course will prepare students for employment in the child care field. This class consists of writing curriculum, creating age-appropriate activities, and working with children at the local daycare centers. Students will receive their Assistant Child Care Teacher certification upon completion of all requirements. Students can earn transcribed credit through MPTC, as the content of Child Care Services aligns to MPTC's Foundation of Early Childhood Education course. See page 12 for details about transcribed credit.

Careers in Family and Consumer Education

Apparel and Textile Design and Merchandising Child Care Communications Consumer Economics Dietetics	Education Financial Planning Food and Nutrition Sciences Health Sciences Human Development and Family Sciences	Hotels Interior Design Nutrition and Fitness Restaurants Tourism
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Math

Title	Course Number	Grades	Credits
Algebra I	400AB	9-10	1
Geometry*	415AB	9-12	1
Algebra II*	405AB	9-12	1
Functions and Trigonometry*	430AB	10-12	1
AP Precalculus*◆^	438AB	9-12	1
AP Calculus AB (DC)*◆^	445AB	10-12	1
AP Calculus BC (DC)*◆^	450AB	11-12	1
Calculus III (DC)*◆^	451AB	11-12	1
Statistics and Probability*	455AB	11-12	1
AP Statistics*◆^	460AB or 460ABA	10-12	1
Consumer Math	465AB	11-12	1

400AB	<p>Algebra I</p> <p>Grades: 9-10 Credit: 1 Prerequisites: None NCAA Approved</p>	<p>Algebra is the foundation for all upper level mathematics. The purpose of this course is to provide students with a basis for advanced mathematics and aid them in solving mathematical problems. Basic algebraic properties are developed in which the student solves equations, manipulates formulas, and learns graphing techniques. Numerous efforts are made to show meaningful relationships to the areas of science, technology, and other math related areas. A scientific calculator is required (TI-30X IIS recommended).</p>
415AB	<p>Geometry*</p> <p>Grades: 9-12 Credit: 1 Prerequisites: Algebra I NCAA Approved</p>	<p>Geometry aims to formalize and extend the geometry that students have learned in previous courses. Students will establish triangle congruence criteria using rigid motions, formal constructions, and the language of set theory to compute and interpret probabilities for compound events. This course will build a formal understanding of similarity based on dilations and proportional reasoning. Students will develop concepts of formal proof, including basic circle theorems. In this course, students will</p>

		explore the properties of two- and three- dimensional objects and work with the rectangular coordinate system to verify geometric relationships. A scientific calculator is required (TI-30X IIS recommended).
405AB	Algebra II* Grades: 9-12 Credit: 1 Prerequisites: Geometry NCAA Approved	Algebra II aims to extend what students have learned in previous courses and push them to apply that learning through connections of various representations. Students make connections between representations of functions, transformations of different function families, and finding zeros of polynomials in relation to graphs and equations of polynomials. Students model periodic phenomena with trigonometry and build an understanding of the role of randomness and normal distribution in making statistical conclusions. This course allows the student to broaden algebraic principles developed in Algebra and prepares the student for advanced and college preparatory classes. A graphing calculator is required (TI-84 recommended).
430AB	Functions and Trigonometry* Grades: 10-12 Credit: 1 Prerequisites: Algebra II or concurrent enrollment NCAA Approved	This is a college preparatory math course that will focus on the following topic: functions, trigonometry, sequences and series, and analytic geometry (conics). Students will apply modeling to real-world situations in preparation for successfully completing college-level algebra and then possibly calculus. TI-84 calculator required.
438AB	AP Precalculus*♦^ Grades: 9-12 Credit: 1 Prerequisites: Algebra II NCAA Approved	In AP Precalculus, students explore everyday situations and phenomena using mathematical tools and lenses. The framework focuses on four key units of study that colleges expect students to demonstrate to qualify for credit or placement. Students acquire and apply mathematical tools in real-world modeling situations in preparation for using these tools in college-level calculus. In this course, students study a broad spectrum of function types that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.
445AB	AP Calculus AB (DC)*♦^ Grades: 10-12 Credit: 1 Prerequisites: Precalculus OR Honors Precalculus OR AP Precalculus OR Functions & Trigonometry NCAA Approved	Students taking this course should have an excelled mathematical background and be highly motivated to learn the materials. This is an Advanced Placement course that covers the concepts of a first semester college calculus course. Topics include function and graph analysis, limits and their properties, differentiation, applications of differentiation, transcendental and inverse functions, integration, and applications of integration. TI-89 or TI-84 calculator required. Students can earn dual credit through UWO, as the content of AP Calculus AB aligns to UWO's Math 171 course. See page 10 for details about dual credit.

<p>450AB</p>	<p>AP Calculus BC (DC)*♦^</p> <p>Grades: 11-12 Credit: 1 Prerequisites: AP Calculus AB NCAA Approved</p>	<p>Students taking this course should have an excelled mathematical background and be highly motivated to learn the materials. This is an Advanced Placement course that covers the concepts of a second semester college calculus course. Topics include differential equations, applications of integrals, advanced integration techniques, infinite series, parametric equations, polar coordinates, and vectors. TI-89 or TI-84 calculator required. Students can earn dual credit through UWO, as the content of AP Calculus BC aligns to UWO's Math 172 course. See page 10 for details about dual credit.</p>
<p>451AB</p>	<p>Calculus III (DC)*♦^</p> <p>Grades: 11-12 Credit: 1 Prerequisites: AP Calculus BC and a grade of C or better NCAA Approved</p>	<p>Students taking this course should have an excellent mathematical background and be highly motivated to learn the material. This is the third semester of Calculus and builds on the concepts from AP Calculus BC. Topics include vectors in two and three dimensions, dot and cross products, lines, planes, vector functions and their differentiation and integration, multivariate differential and integral calculus, partial derivatives and their applications, gradients, multiple integrals, line and surface integrals, fundamental theorem of line integrals, Green's theorem, and Stokes' theorem.</p> <p>TI-84 calculator required. Students can earn dual credit through UWO, as the content aligns to UWO's Math 273 course. See page 10 for details about dual credit.</p>
<p>455AB</p>	<p>Statistics and Probability*</p> <p>Grades: 11-12 Credit: 1 Prerequisites: Algebra II OR Honors Algebra II NCAA Approved</p>	<p>This course provides tools for describing variability in data and making informed decisions. Using the statistics, data is gathered, displayed, summarized, examined, and interpreted to discover patterns and deviations from patterns. Which statistics to compare, which plots to use, and what the results of a comparison might mean, depend on the question to be investigated. Also, rules of probability will be studied in order to find the chance occurrence of various events. This course is not a prerequisite for AP Statistics. It covers very similar concepts, so credit will not be given for both courses. A student must choose between one or the other. TI-84 calculator required.</p>
<p>460AB 460ABA</p>	<p>AP Statistics*♦^</p> <p>Grades: 10-12 Credit: 1 Prerequisites: Algebra II or Honors Algebra II NCAA Approved</p>	<p>Students taking this course should have a strong work ethic with an interest in statistics. It is equivalent to a one semester introductory college statistics course. Topics covered include measures of central tendency, variation, rules of probability and probability distributions, the normal distribution, and normal curve. Confidence intervals and hypothesis testing are stressed in the second half of the course. Students may not receive credit for both AP Statistics and Statistics and Probability. They must choose one or the other. A considerable amount of writing is expected. TI-84 calculator is required.</p>

465AB	Consumer Math Grades: 11-12 Credit: 1 Prerequisites: None	This course looks both conceptually and mathematically at personal financial issues including incomes and income tax, saving and investing, loans and credit cards, retirement and insurance. major purchasing decisions such as buying a house or car, and budgeting. Though all students are encouraged to take this course, please note that many colleges do not consider it a college preparatory math course for admission purposes. Scientific calculator (TI-30X IIS) is required. This course will not count as a math credit toward graduation starting with the Class of 2025.
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Careers in Mathematics

Air Traffic Controller Animator Architect Astronaut Biologist Biostatistician Budget Analyst Cartographer Chemical Engineer Chemist Climatologist College Professor Computer Scientist	Electrical Engineer Epidemiologist Foreign Exchange Trader Forensic Analyst Geographer Geologist High School Math Teacher Hydrologist Inventory Control Specialist Market Research Analyst	National Security Analyst Nuclear Engineer Operations Research Analyst Petroleum Engineer Physician Political Scientist Psychometrician Purchasing Agent Quantitative Financial Market Analyst Statistician
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Music

Title	Course Number	Grades	Credits
Performance Instrumental Courses			
Concert Band	250ABA	9-12	1
Symphonic Band*	252ABA	10-12	1
Honors Symphonic Band*	254ABA	10-12	1
Concert Orchestra	256ABA	9-12	1
Chamber Orchestra*	258ABA	10-12	1
Honors Orchestra*	260ABA	10-12	1
Jazz Ensemble*	262Z	9-12	1
Performance Choir Courses			
Oriole Choir	264ABA	9-12	1
Chorale	266ABA	9-12	1
Voces Bel Canto*	268ABA	10-12	1
Concert Choir*	270ABA	10-12	1
Honors Concert Choir*	272ABA	10-12	1
Non-performance Music Courses			
Beginning Class Piano	274	9-12	0.5
Music Theory	276AB	9-12	1
The World Music Experience	278	9-12	0.5
Music Recording and Production	280AB	9-12	1

Performance Band Courses

<p>250ABA</p>	<p>Concert Band</p> <p>Grades: 9-12 Credit: 1 Prerequisites: None</p>	<p>Concert Band is a group of musicians dedicated to growing their instrumental music skills. Concert Band and Symphonic Band combine for field marching. This group performs at various concerts and events each year. A calendar with events is made readily available over the summer and is updated throughout the school year. An applied music lesson is required each week for each student. Applied lessons are scheduled during the student’s study time, before or after school, or pulled during class.</p>
<p>252ABA</p>	<p>Symphonic Band*</p> <p>Grades: 10-12 Credit: 1 Prerequisites: Audition</p>	<p>Symphonic Band is the “flagship” group for the HUHS Band program. It is expected that students who are involved in Symphonic Band demonstrate exceptional leadership and playing abilities on their instruments. Students are encouraged to participate in private lessons outside of the school day to enhance their musical study. An applied music lesson is required each week for each student. Applied lessons are scheduled during the student’s study time, before or after school, or during class. This group performs concerts each year along with various other festivals and special events.</p>
<p>254ABA</p>	<p>Honors Symphonic Band*</p> <p>Grades: 10-12 Credit: 1 Prerequisites: Audition, sight reading, proficiency, etc.</p>	<p>See Symphonic Band description. Additional requirements for Honors Symphonic Band include participation in Class A Solo and Ensemble events; outside concert attendance requirements to include critiques and research papers. Students will have additional requirements beyond that of the Symphonic Band, as well as an accelerated applied lesson program.</p>
<p>256ABA</p>	<p>Concert Orchestra</p> <p>Grades: 9-12 Credit: 1 Prerequisites: None</p>	<p>Concert Orchestra is an ensemble of string instruments: violin, viola, cello, string bass. Foundational techniques of bowing, fingering patterns in various positions, sight-reading, ear-training, basic theory, and rhythm studies are included in this course. It is designed as a non-audition level ensemble and all students are welcome to take this class. Prior string experience and notation reading is strongly advised in order to find the maximum success in this course. Required performances are an integral part of the program. One lesson per week is required in addition to daily rehearsals. Applied lessons are scheduled during the student’s study time, before or after school, or pulled during orchestra class. Occasionally the concert and chamber orchestras combine with invited winds and percussion to create the HUHS Symphony Orchestra.</p>

258ABA	Chamber Orchestra* Grades: 10-12 Credit: 1 Prerequisites: Audition	Chamber Orchestra is an auditioned ensemble of string instruments: violin, viola, cello, string bass. Advanced techniques of bowing, fingering patterns in various positions, sight-reading, ear-training, basic theory, and rhythm studies are included in this course. It is designed as an audition level ensemble and students are enrolled in the class based on their performance level to ensure success in the course. Prior string experience and notation reading is strongly advised in order to find the maximum success in this course. Required performances are an integral part of the program. One lesson per week is required in addition to daily rehearsals. Applied lessons are scheduled during the student's study time, before or after school, or pulled during orchestra class. Occasionally the concert and chamber orchestras combine with invited winds and percussion to create the HUHS Symphony Orchestra.
260ABA	Honors Orchestra* Grades: 10-12 Credit: 1 Prerequisites: Audition, sight reading, proficiency, etc.	See Orchestra description. Additional requirements for Honors Orchestra include participation in Class A Solo and Ensemble events on a major instrument, additional concert attendance and critiques, and a research paper. Students can expect additional requirements beyond that of Orchestra.
262Z	Jazz Ensemble* Grades: 9-12 Credit: 1 Prerequisites: Instructor approval required	This performance-based course is designed for instrumental music students who demonstrate interest in learning and performing various jazz music styles. Emphasis will be placed on not just performance technique, but will also include improvisational skills, musicianship, jazz theory, and a sense of personal accountability as a gigging musician. Instructor approval must be obtained prior to enrolling in this course. This course runs every day all year during zero hour.
Performance Choir Courses		
264ABA	Oriole Choir Grades: 9-12 Credit: 1 Prerequisites: None	Oriole Choir is a non-select group of less to moderately experienced voices intended to explore and perform varied choral literature in a foundational high school setting. Students will be introduced to and refine the fundamentals of singing, basic music reading skills, and singing independent harmony parts. The singer will be scheduled for one 10-13 minute group voice lesson per week. Contingent on total enrollment in all choral ensembles, the voicing of this ensemble may include sopranos and altos OR all voices; soprano, alto, tenor, bass. Final ensemble configurations are decided upon by the choral directors in the Spring of each school year for the following year.

266ABA	Chorale Grades: 9-12 Credit: 1 Prerequisites: None	Chorale is a non-select group of less to moderately experienced voices intended to explore and perform varied choral literature in a foundational high school setting. Students will be introduced to and refine the fundamentals of singing, basic music reading skills, and singing independent harmony parts. The singer will be scheduled for one 10-13 minute group voice lesson per week. Contingent on total enrollment in all choral ensembles, the voicing of this ensemble may include tenors and basses OR all voices; soprano, alto, tenor, bass. Final ensemble configurations are decided upon by the choral directors in the Spring of each school year for the following year.
268ABA	Voces Bel Canto* Grades: 10-12 Credit: 1 Prerequisites: Audition	Voces Bel Canto is a select group of soprano and alto voices with at least one year's experience at the high school level. Its intent is to explore and perform literature for treble voices. Students will review the fundamentals of singing, basic music reading skills, and sing independent harmony at a more advanced level. The singer will be scheduled for one 10 - 13 minute private lesson per week.
270ABA	Concert Choir* Grades: 10-12 Credit: 1 Prerequisites: Audition	The Concert Choir is an advanced, select group of mixed voices who wish to explore and perform challenging and advanced choral literature of varied styles of music from the Renaissance to contemporary times. Students must pass an audition to be admitted into the Concert Choir. Singers will be scheduled for one 10 - 13 minute private lesson per week. This group performs extra concerts outside of the regular concert schedule. It is expected that musicians in Concert Choir demonstrate exceptional leadership and music ability and participate in Solo and Ensemble. Students are encouraged to participate in private lessons outside of the school day to enhance their musical study. This class may also be taken for Honors Credit.
272ABA	Honors Concert Choir* Grades: 10-12 Credit: 1 Prerequisites: Audition	See Concert Choir description. Additional requirements for Honors Concert Choir will include participation in Class A Solo and Ensemble events and concert attendance requirements to include critiques and research papers. Students enrolled in this course must pass an audition to be a member of the Honors Concert Choir. Students can expect additional requirements, as well as accelerated applied lessons. Students selected for WSMA State Honors Choir may register without a proficiency test.
Non-performance Music Courses		
274	Beginning Class Piano Grades: 9-12 Credit: 0.5	Students will build basic piano skills step-by-step with the help of hands-on exercises, audio and video recordings, and detailed instructions. Beginners will get acquainted with all parts of the piano. Students will also explore the fundamentals of music notation and find out how to produce clear, beautiful notes and chords, as well as how to control rhythm, tempo,

	Prerequisites: None	and volume, and how to express oneself artistically. The piano skills mastered in this course will allow students to begin playing any style of piano music. This course has a \$20 fee.
276AB	Music Theory Grades: 9-12 Credit: 1 Prerequisites: None	In Music Theory we break down the mystery of music to the bare fundamentals in order to understand where our music comes from and know how to create it ourselves. Topics will include intervals, chords, scales, rhythmic and melodic rules, common chord progressions, and compositional techniques. Students of music theory will come to music theory from a vast array of previous musical experiences. This course is designed to thoroughly examine the fundamentals while providing opportunities to stretch previously gained music theory knowledge and skills.
278	The World Music Experience Grades: 9-12 Credit: 0.5 Prerequisites: None	This course explores the ways that music is both shaped by and gives shape to the cultural settings in which it is performed, through studying selected musical traditions from around the world. Specific case studies will be examined closely through listening, analysis, and hands-on instruction. Students will also create instruments and experiment with them. Local and regional specialists will be brought in to clinic with students about the various music traditions.
280AB	Music Recording and Production Grades: 9-12 Credit: 1 Prerequisites: None	Students will create music using current platforms for audio looping, sampling, mash-ups, and many more. This course is also designed as an introduction to music fundamentals, notation, and theory, but through the lens of technology. Online tools for music notation and music production will be used to refine and grow students' creative abilities.

Careers in Music

Music Education
Music Performance
Composer
Conductor
Disc/video Jockey
Music Videographer
Promoter
Agent

Music Production and Recording
Record Label Owner
Entertainment Attorney
Advertising
Tour Manager
Sound Technician
Publicist

Record Engineer
Public Relations
Music Merchandising
Music Store Manager/Sales Musical
Instrument Sales
Website Developer/Designer
Music Therapy

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Physical Education

Title	Course Number	Grades	Credits
Foundations of Physical Education	546	9-10	0.5
Health	551	9-10	0.5
Health and Foundations of Physical Education	554ABA	9-10	1
Freshman Biology Bundle	096FBB	9	2
Fit For Life*	556	9-12	0.5
Strength and Speed for the Athlete	561	9-12	0.5
Strength and Speed for the Athlete (Zero Hour)	561Z	9-12	0.5
Strength and Speed for the Athlete All Year+	566ABA	9-12	1
Individual and Dual Sports*	571	9-12	0.5
Team Sports Outdoor (Fall/Spring)*	577	9-12	0.5
Team Sports Indoor (Winter)*	578	9-12	0.5
Lifetime Sport and Fitness*	558	9-12	0.5
Lifeguarding (DC)*◆^	581	9-12	0.5
Introduction to Sports Medicine*	586	10-12	0.5
Principles of Coaching (DC)*◆^	593	10-12	0.5
Principles of Officiating (DC)*◆^	594	10-12	0.5
Physical Education Intern*	588	12	0.5
WIAA Option*	596	10-11	No credit

546	Foundations of Physical Education Grades: 9-10 Credit: 0.5 Prerequisites: None	A sound mind and body are essential for living life to the fullest. The objectives of physical education are skill development, physical fitness, and an understanding of the need for exercise and how it affects the body. All students are required to take swimming, dance, weight training, and fitness units. The remaining units will be fitness based activities. This is a required course. Option to enroll in the Freshman Biology Bundle or the Health and Foundations of Physical Education course.
551	Health Grades: 9-10 Credit: 0.5 Prerequisites: None	Students will learn skills which promote physical, emotional, and social health, both now and throughout life. The units taught include mental health, substance abuse, relationships, wellness, CPR/first aid/AED (meets DPI requirement). This is a required course. Option to enroll in the Freshman Biology Bundle or the Health and Foundations of Physical Education course.
554ABA	Health and Foundations of Physical Education Grades: 9-10 Credit: 1.0 Prerequisites: None	In this every other day offering, students will earn a .5 credit of Foundations of Physical Education and a .5 credit of Health. This course must be paired with another ABA offering and will run the entire year. See descriptions above.
096FBB	Freshman Biology Bundle Grades: 9 Credit: 2 Prerequisites: None	Freshman Biology Bundle integrates the requirements for Biology, Health, and Foundations of Physical Education in an interdisciplinary, team-taught approach.
556	Fit For Life* Grades: 9-12 Credit: 0.5 Prerequisites: Foundations of P.E.	This pathway is designed for an individual who wants to focus on personal fitness. This course will emphasize health and skill-related components of fitness through weight training and fitness based activities.
561 561Z	Strength and Speed for the Athlete Grades: 9-12 Credit: 0.5 Prerequisites: None	Strength & Speed class is for anyone interested in improving their general fitness, athletic and physical skills. Power, speed, agility, flexibility, strength, endurance, and overall athleticism are the points of emphasis. Students may take this class multiple times. This course is also offered Zero hour. Students enrolled in Zero hour will earn .5 credit at the end of each semester for a maximum of 1.0 credit for the year.

566ABA	Strength and Speed All Year+ Grades: 9-12 Credit: 1 Prerequisites: None	Strength & Speed ALL YEAR class is for anyone interested in improving their general fitness, athletic and physical skills. Power, speed, agility, flexibility, strength, endurance, and overall athleticism are the points of emphasis. Students may take this class multiple times.
571	Individual and Dual Sports* Grades: 9-12 Credit: 0.5 Prerequisites: Foundations of P.E.	This pathway is designed to expose students to a variety of individual and dual activities. This course will emphasize health and skill-related components of fitness through a variety of individual and dual activities including tennis, badminton, pickleball, outdoor pursuits (kayaking and canoeing), fly casting, golf, spinning, cross country skiing, and snowshoeing.
577	Team Sports Outdoor (Fall/Spring)* Grades: 9-12 Credit: 0.5 Prerequisites: Foundations of P.E.	This pathway is designed to expose students to a variety of team activities. This course promotes the development of health and skill-related components of fitness through a variety of team activities including: Fall/Spring editions would have an emphasis on team outdoor activities (soccer, football, ultimate frisbee, lacrosse, softball, speedball, kickball, team handball, field hockey, aquatics, fitness testing with data collection, etc.).
578	Team Sports Indoor (Winter)* Grades: 9-12 Credit: 0.5 Prerequisites: Foundations of P.E.	This pathway is designed to expose students to a variety of team activities. This course promotes the development of health and skill-related components of fitness through a variety of team activities including: Winter editions would emphasize indoor activities (flagball, indoor soccer, tchoukball, volleyball, basketball, ultimate team handball, broomball/hockey, wiffle ball baseball, kickball, aquatics, fitness testing with data collection, etc.).
558	Lifetime Sport and Fitness* Grades: 9-12 Credit: 0.5 Prerequisites: Foundations of P.E.	This class will provide the perfect blend of training (Weight Lifting, Yoga, Pilates...) and lifetime sport (tennis, golf, disc golf, archery...). Lifetime Sport and Fitness will allow for another option for students who love to train and play but are not interested in a competitive team sport atmosphere. This class can be a great way for students to develop the skills and attitudes needed for a lifetime of enjoyable physical activity. We want our students to find a pathway in our department that will help them find their passions and this class will offer students another opportunity to find the class that is the right "Fit".

<p>581</p>	<p>Lifeguarding (DC)*♦^</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: Must turn 15 by end of course</p>	<p>The purpose of the American Red Cross Lifeguard Training course is to teach lifeguard candidates the skills and knowledge needed to prevent and respond to aquatic emergencies. At the end of this course students will have the opportunity to be certified as an American Red Cross Lifeguard and will be able to seek employment opportunities. Students must turn 15 years old by the end of the course. Students can earn dual credit through UWO, as the content of Lifeguarding aligns to UWO's Physical Education 221 course. See page 10 for details about dual credit. This course has a \$10 fee. Please note: this course may not be used as a substitute credit for any of the 1.5 required credits of P.E. earned over 3 separate years.</p>
<p>586</p>	<p>Introduction to Sports Medicine*</p> <p>Grades: 10-12 Credit: 0.5 Prerequisites: Biology</p>	<p>This course is designed to provide an introduction and investigation into the foundations of sports medicine. The course is designed for those students interested in sports medicine, other health careers, and/or athletics and coaching. Content for the course will include management of injuries, conditioning theories, advanced fitness, and applied anatomy/physiology. Lab sessions and field work will be required. Please note: this course may not be used as a substitute credit for any of the 1.5 required credits of P.E. earned over 3 separate years.</p>
<p>593</p>	<p>Principles of Coaching (DC)*♦^</p> <p>Grades: 10-12 Credit: 0.5 Prerequisites: 1 credit of Physical Education</p>	<p>This course is designed to develop an appreciation for and an increased understanding of sport in American society. The course will offer the student the chance to study the philosophy, psychology, motivation, and rewards of coaching. Any person who appreciates and/or is involved in athletics will enjoy this course. Opportunity to receive a National Certification in Coaching. Students can earn dual credit through UWO's CAPP program, as the content of Principles of Coaching aligns to UWO's PE 320 course. See page 10 for details about dual credit. Please note: this course may not be used as a substitute credit for any of the 1.5 required credits of P.E. earned over 3 separate years.</p>
<p>594</p>	<p>Principles of Officiating (DC)*♦^</p> <p>Grades: 10-12 Credit: 0.5 Prerequisites: 1 credit of Physical Education</p>	<p>This course is designed to develop an appreciation for and an increased understanding of sport in American society. The course will offer the student the chance to study the philosophy, psychology, motivation, and rewards of officiating. Any person who appreciates and/or is involved in athletics will enjoy this course. Opportunity to receive a license as a WIAA official. Students can earn dual credit through UWO's CAPP program, as the content of Principles of Officiating aligns to UWO's PE 328 course. See page 10 for details about dual credit. Please note: this course may not be used as a substitute credit for any of the 1.5 required credits of P.E. earned over 3 separate years.</p>

588	Physical Education Intern* Grades: 12 Credit: 0.5 Prerequisites: Approval of P.E. Committee	This course is designed for students interested in pursuing a career in Physical Education. Phy Ed interns will assist the instructor in each learning activity to learn and develop the skills of Physical Education teachers. Students will teach, demonstrate, and evaluate to experience the role of an educator. Please note: this course may not be used as a substitute credit for any of the 1.5 required credits of P.E. earned over 3 separate years.
596	WIAA Option* Grades: 10-11 Credit: No credit Prerequisites: Junior Varsity and Varsity Athletes; 1 credit of Physical Education	Students may complete an additional 0.5 credit in English, Social Studies, Mathematics, or Science in lieu of 0.5 credit in Physical Education when they participate in a WIAA-sponsored sport. The participation in the sport is not counted as the substituted course. The final required 0.5 P.E. credit will be substituted. Courses to be included for substitution include any non-required course in English, Social Studies, Mathematics, and Science departments. The 0.5 credit substitution must be beyond the minimum graduation requirements in these subject areas.

Careers in Physical Education

Physical Education Teacher Health Teacher Fitness Director Personal Trainer Fitness Sales Representative Sports and Recreation Management Camp Director Sports and Fitness Nutritionist Strength and Conditioning Coach Performance Analysis Prison Recreation Specialist Dietitian	Cruise Recreation Director Corporate Fitness Instructor Health/Fitness Consultant Spa/Health Club Manager Sports Administration Professional Sports Referee/Umpire College/High School Coach Aquatic Director Lifeguard Water Safety Instructor Lifeguard Instructor First Aid/CPR/AED Instructor Athletic Trainer	Physical Therapist Anatomist Nurse Chiropractor EMT Exercise Physiologist Physician Assistant Biomechanist Physician Personal Trainer Variety of Health Careers Prosthetic Sales Olympic Athlete Professional Athlete
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Science

Title	Course Number	Grades	Credits
Biology	640AB	9-10	1
Freshman Biology Bundle	096FBB	9	2
Introduction to Physics*	646	9-10	0.5
Introduction to Chemistry*	647	9-10	0.5
STEM Bundle: Introduction to Physics and Chemistry with Applied Technologies*	649AB	9-10	1 (1.5 total)
Ecology	651	9-12	0.5
Earth Science	654	9-12	0.5
Astronomy	657	9-12	0.5
Advanced Astronomy*	660	10-12	0.5
Physics*	663AB	10-12	1
AP Physics I*◆^	666AB	10-12	1
AP Physics II*◆^	669AB	10-12	1
Physics of Engineering - Electrical Systems*	664	10-12	0.5
Physics of Engineering - Mechanical Systems*	665	10-12	0.5
Chemistry*	672AB	10-12	1
AP Chemistry*◆^	675ABC	11-12	1.5
AP Biology*◆^	671ABC	10-12	1.5
AP Biology/ AP Psychology Bundle*◆^	097AP	10-12	1.5 (2.5 total)
Anatomy and Physiology - Movement*	680	10-12	0.5
Anatomy and Physiology - Communication and Homeostasis*	682	10-12	0.5
Forensic Science	684	9-12	0.5

PLTW: Principles of Biomedical Sciences*◆^	687AB	9-12	1
PLTW: Human Body Systems*◆^	691AB	9-12	1
PLTW: Medical Interventions*◆^	694AB	10-12	1
PLTW: Biomedical Innovations*^	697AB	11-12	1
Science Lab Technician*	635	11-12	0.5

640AB	Biology Grades: 9-10 Credit: 1 Prerequisites: None	This course focuses on six unifying principles of biology: evolution, homeostasis, energy/matter/organization, continuity, development, and ecology. Students are expected to display strong writing skills as they respond to open-ended questions, design, and report on original labs, and create various projects to demonstrate their understanding of major concepts. Note: this course contains approved human growth and development content. This is a required course for freshmen. Option to enroll in Freshman Biology Bundle, see page 8 for details.
096FBB	Freshman Biology Bundle Grades: 9 Credit: 2 Prerequisites: None	Freshman Biology Bundle integrates the requirements for Biology, Health, and Foundations of Physical Education in an interdisciplinary, team-taught approach.
646	Introduction to Physics* Grades: 9-10 Credit: 0.5 Prerequisites: Algebra I NCAA Approved	Introduction to Physics allows students to explore concepts and application of physics. Key concepts include motion, forces, energy, and waves. This course could be a stepping stone towards more courses in physics. This course will involve hands-on laboratory work and projects. This is a required course for Science students. Option to enroll in STEM bundle, see pages 8 for details.
647	Introduction to Chemistry* Grades: 9-10 Credit: 0.5 Prerequisites: Algebra I NCAA Approved	Introduction to Chemistry allows students to explore the properties and interactions of matter. Key concepts include measurements, chemical and physical changes, atomic structure, chemical nomenclature, bonding and chemical reactions. This course could be a stepping stone towards more courses in chemistry. This course will involve hands-on laboratory work and projects. This is a required course for Science students. Option to enroll in STEM bundle, see pages 8 for details.
649AB	STEM Bundle:	This course will provide students with an interdisciplinary approach. Students will be encouraged to integrate STEM into course practices.

	<p>Introduction to Physics and Chemistry with Applied Technologies*</p> <p>Grades: 9-10 Credit: 1 Science (1.5 total) Prerequisites: Algebra 1 NCAA Approved</p>	<p>Applied Technologies integrates Introduction to Physics and Introduction to Chemistry courses, and will satisfy the Science requirement. The course will involve participation in problem based and project based learning activities, using mathematics and science to relate to technology problems. Students will practice the design process when developing and/or creating their own products. Once enrolled, students are not permitted to drop the course at any point in the year. See page 8 for more STEM Bundle information. This course has a \$10 fee.</p>
651	<p>Ecology</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: None NCAA Approved</p>	<p>Students in this lab-based course will study environmental interactions and their impact on the earth and its inhabitants. Some topics covered in this class include population, climate change, resources, pollution, and ecosystems of the world. Students will apply scientific thinking skills to think critically about current issues and events affecting the earth today.</p>
654	<p>Earth Science</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: None NCAA Approved</p>	<p>This course will cover the basic topics of Earth formations and weather systems. Major units will include the composition of the Earth and surface processes that shape the Earth, the dynamic processes such as volcanism, mountain building, and earthquakes, as well as atmospheric phenomenon including tornadoes, thunderstorms, and hurricanes.</p>
657	<p>Astronomy</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: None NCAA Approved</p>	<p>This course is an introduction to the subject of Astronomy covering the history of astronomy, the solar system, planets, moons, and stars. This course places an emphasis on both current and future astronomical events and human space exploration.</p>
660	<p>Advanced Astronomy*</p> <p>Grades: 10-12 Credit: 0.5 Prerequisites: Astronomy AND concurrent or prior Physics/AP Physics I</p>	<p>This course is a continuation of the course Astronomy with a heavier emphasis on both the physics behind modern astronomy and current technologies used within the field. Topics covered include galaxies, the universe, rocketry, probes, rovers, and telescopic observation. As part of this course students will design and create their own basic Galilean Telescope and will be required to attend two night labs to observe celestial objects. This course has a \$40 fee.</p>

663AB	Physics* Grades: 10-12 Credit: 1 Prerequisites: Geometry AND Introduction to Physics AND Introduction to Chemistry NCAA Approved	Physics is a qualitative and quantitative study of how things behave and relate to one another. Solving problems, drawing conclusions, and understanding relationships are the foundation of explaining how things work in the everyday world. This course is designed as a college preparatory science course for all students regardless of their major and is strongly recommended for those interested in STEM and healthcare careers. In addition to Biology, Introduction to Chemistry, and Introduction to Physics, this course can be used to fulfill the third science requirement for graduation.
666AB	AP Physics I*♦^ Grades: 10-12 Credit: 1 Prerequisites: Geometry AND Introduction to Physics AND Introduction to Chemistry NCAA Approved	AP Physics I is the equivalent to a first semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy and power; mechanical waves and sound. It will also introduce electric circuits. In addition to Biology, Introduction to Chemistry, and Introduction to Physics, this course can be used to fulfill the third science requirement for graduation. Course Fee: \$22
669AB	AP Physics II*♦^ Grades: 10-12 Credit: 1 Prerequisites: AP Physics I NCAA Approved	AP Physics II is the equivalent to a second semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. Course Fee: \$22
672AB	Chemistry* Grades: 10-12 Credit: 1 Prerequisites: Geometry AND Introduction to Physics, AND Introduction to Chemistry NCAA Approved	This course examines the atomic structure, ionic and molecular bonding, the mole, chemical reactions, stoichiometry, behavior of gases, water and aqueous solutions, acids, bases, and pH. Students will need a strong background in Algebra to be successful in the mathematical computations related to the mole and stoichiometry. Chemistry is strongly recommended for those interested in STEM and a healthcare career. In addition to Biology, Introduction to Chemistry, and Introduction to Physics, this course can be used to fulfill the third science requirement for graduation.
675ABC	AP Chemistry*♦^ Grades: 11-12 Credit: 1.5 Prerequisites: Chemistry NCAA Approved	This course is equivalent to a first year college chemistry course. All topics will be presented at a college level. These topics include advanced stoichiometry, solution chemistry, periodicity, advanced IMF's, thermochemistry, kinetics, equilibrium and electrochemistry. Students are required to complete 10-16 college level labs during the course of the year. This class is intended for students majoring in science in college and requires students to have strong math skills. AP Chemistry will run 3 terms.

<p>680</p>	<p>Anatomy and Physiology - Movement*</p> <p>Grades: 10-12 Credit: 0.5 Prerequisites: Biology NCAA Approved</p>	<p>Students will learn how the human body structure is related to function. Students gain an understanding of anatomical principles, and take an in-depth look at key body systems involved in movement of and within the human body. This course will cover the circulatory, respiratory, endocrine, skeletal and muscular systems. Students may opt out of dissection activities and will be provided appropriate alternative educational activities. This class is recommended for students interested in healthcare careers. The two Anatomy and Physiology courses can be taken independently, concurrently, or in either order.</p>
<p>682</p>	<p>Anatomy and Physiology - Communication and Homeostasis*</p> <p>Grades: 10-12 Credit: 0.5 Prerequisites: Biology NCAA Approved</p>	<p>Students will learn how the human body structure is related to function. Students gain an understanding of anatomical principles, and take an in-depth look at key body systems involved in communication and homeostasis. This course will cover the integumentary, nervous, digestive, urinary, immune, endocrine and reproductive systems. Students may opt out of dissection activities and will be provided appropriate alternative educational activities. This class is recommended for students interested in healthcare careers. The two Anatomy and Physiology courses can be taken independently, concurrently, or in either order.</p>
<p>671ABC</p>	<p>AP Biology*♦^</p> <p>Grades: 10-12 Credit: 1.5 Prerequisites: Biology AND Introduction to Physics AND Introduction to Chemistry</p>	<p>AP Biology is equivalent to two semesters of introductory college-level biology. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. In addition to Biology, Introduction to Chemistry, and Introduction to Physics, this course can be used to fulfill the third science requirement for graduation.</p>
<p>097AP</p>	<p>AP Biology/ Psychology Bundle*♦^</p> <p>Grades: 10-12 Credit: 1.5 (2.5 total) Prerequisites: Biology AND Introduction to Physics AND Introduction to Chemistry</p>	<p>The AP BioPsych Bundle is the equivalent of three semesters of introductory college-level material (2 semesters of Biology and 1 semester of Psychology). Students who take these courses in a bundled course option will integrate all the same course topics and concepts as individual courses to provide a deeper understanding and transfer of content. Due to overlap and connections in topics and concepts, this bundle is a 2.5 credit course that meets daily during one block for the entire year. Students taking this bundle will be prepared for both AP exams in May. In addition to Biology, Introduction to Chemistry, and Introduction to Physics, this course can be used to fulfill the third science requirement for graduation.</p>

<p>684</p>	<p>Forensic Science</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: None NCAA Approved</p>	<p>This course will apply concepts from core science disciplines to criminal investigation practices. Topics will include the investigation and interpretation of forensic fingerprinting, fiber analysis, ballistics, trace evidence analysis, forensic toxicology, blood spatter analysis, and historical perspectives in criminology. Students will learn proper collection, preservation, and laboratory techniques used by forensic scientists as they process crime scenes.</p>
<p>687AB</p>	<p>PLTW: Principles of Biomedical Sciences◆^</p> <p>Grades: 9-12 Credit: 1 Prerequisites: None NCAA Approved</p>	<p>Students will be challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing and proposing treatment to patients in a family medical practice, to tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems. In addition to Biology, Introduction to Chemistry, and Introduction to Physics, this course can be used to fulfill the third science requirement for graduation. Students may earn weighted grade and college credit upon meeting specific criteria. This course has a \$20 fee.</p>
<p>691AB</p>	<p>PLTW: Human Body Systems*◆^</p> <p>Grades: 9-12 Credit: 1 Prerequisites: PLTW: Principles of Biomedical Sciences NCAA Approved</p>	<p>In the second year of the Biomedical pathway, students will examine the interactions of body systems by designing experiments, investigating the structures and functions of the human body, and monitoring body functions such as muscle movement, reflex and voluntary action, and respiration. Students may opt out of dissection activities and will be provided appropriate alternative educational activities. Students will have the opportunity to build organs and tissues on a skeletal Maniken, work through interesting real world cases, and play the role of biomedical professionals to solve medical mysteries. Students may earn weighted grade and college credit upon meeting specific criteria. This course has a \$20 fee.</p>
<p>694AB</p>	<p>PLTW: Medical Interventions*◆^</p> <p>Grades: 10-12 Credit: 1 Prerequisites: PLTW: Principles of Biomedical Sciences, may take concurrently with PLTW: Human Body Systems NCAA Approved</p>	<p>In this PLTW Biomedical offering, students explore 4 units of study: infection, genetic screening, cancer, and organ failure. Biotechnology is incorporated in many aspects of the course, including bacterial conjugation, PCR's, genetic mapping, protein manufacturing and isolation, and gene regulation. Note: This course can be taken concurrently with PLTW: Human Body Systems. Students may earn weighted grade and college credit upon meeting specific criteria. This course has a \$20 fee.</p>
<p>697AB</p>	<p>PLTW: Biomedical Innovations*^</p>	<p>In this capstone course, students design innovative solutions for the health challenges of the 21st century. They work through progressively</p>

	<p>Grades: 11-12 Credit: 1 Prerequisites: PLTW: Principles of Biomedical Sciences, PLTW: Medical Interventions and PLTW: Human Body Systems NCAA Approved</p>	<p>challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. Students work on an independent project with a mentor or advisor from a university, hospital, research institution, or the biomedical industry. Students may opt out of dissection activities and will be provided appropriate alternative educational activities. Throughout the course, students are expected to present their work to an audience of STEM professionals. Students may earn a weighted grade upon meeting specific criteria. This course has a \$20 fee.</p>
<p>664</p>	<p>Physics of Engineering - Electrical Systems*</p> <p>Grades: 10-12 Credit: 0.5 Prerequisites: Geometry AND Introduction to Physics AND Introduction to Chemistry AND Engineering Concepts OR Geometry AND STEM: Intro to Physics and Chemistry with Applied Technologies NCAA Approved</p>	<p>This project based course explores electrical systems utilizing the lens of engineering design and product creation. Students will work both collaboratively and independently on projects exploring practical applications of physics and other science principles. Scientific principles explored in this course include voltage, current, resistance, capacitance, inductance, direct current (DC), alternating current (AC), and DC oscillators. Students will learn how to design simple DC or AC circuits for applications, use test equipment, solder and desolder electrical components, and use a programmable microcontroller (PLD) for basic circuit design. This course is recommended for students interested in Electrical Engineering, Electronics, and science applications useful for technical careers, or related subfields as possible career options. The two Physics of Engineering courses can be taken independently, concurrently, or in either order.</p>
<p>665</p>	<p>Physics of Engineering - Mechanical Systems*</p> <p>Grades: 10-12 Credit: 0.5 Prerequisites: Geometry AND Introduction to Physics AND Introduction to Chemistry AND Engineering Concepts OR Geometry AND STEM: Intro to Physics and Chemistry with Applied Technologies NCAA Approved</p>	<p>This project based course explores mechanical systems utilizing the lens of engineering design and product creation. Students will work both collaboratively and independently on projects exploring practical applications of physics and other science principles. Scientific principles explored in this course include Stability, Torque and Rotational Motion, Energy Transformation, Thermodynamics, Environmental Concerns, and more. This course is recommended for students interested in Mechanical Engineering, Civil Engineering, or related subfields as possible career options. The two Physics of Engineering courses can be taken independently, concurrently, or in either order.</p>

635	Science Lab Technician* Grades: 11-12 Credit: 0.5 Prerequisites: Approval of Science Committee Application Required	This course is designed for students interested in pursuing a career in scientific research, science education, and/or STEM related careers, where advanced laboratory skills and professional collaboration are essential for success. Science Laboratory Technicians will collaborate with a mentor teacher in planning, prepping, and supporting laboratory activities of HUHS science courses to learn and develop the skills of STEM related careers. Students will be required to complete an application and selection will be determined by the science department.
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Careers in Science

Aeronautical Engineer Anesthesiologist Archeologist Astronaut Astronomer Bioanalyst Biochemist Botanist Cardiologist Chemical Engineer Chemist Computer Scientist Cytogeneticist Dentist Education	Entomologist Environmentalist Food Science Forensic Chemist Forestry Geologist Health Care Worker Horticulturist Internist Life Science Writer Marine Biologist Materials Science Mining Molecular Biologist Nanotechnology Natural Sciences	Neurobiologist Nurse Oceanographer Petroleum Physician Assistant Physicist Plant Ecologist Psychiatrist/Psychologist Researcher Structural Engineer Surgeon Veterinarian Water Resources Wildlife Biologist X-Ray Technician Zoologist
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Key:
 (ES) Indicates it is a Science Equivalency course
 + Indicates that a course is repeatable for credit
 * Indicates course has (a) prerequisite(s). Please refer to the course descriptions for more information
 ♦ Indicates course provides an opportunity for college credit
 ^ Indicates course provides a weighted grade

Social Studies

Title	Course Number	Grades	Credits
World Cultures	700AB or 700ABA	9	1
Civics*	710	9-10	0.5
Sociology	715	10-12	0.5
Law and Order	720	10-12	0.5
Contemporary Issues	725	10-12	0.5
Culture and Society	730	10-12	0.5
American Military History	735	10-12	0.5
Modern American History	740	11	0.5
AP U.S. Government and Politics♦^	745ABA	10-12	1
AP U.S. History♦^	750ABC	11-12	1.5
Western Civilization	755	10-12	0.5
Ancient Civilization	760	10-12	0.5
World Religions	765	10-12	0.5
Economics	770	10-12	0.5
AP Micro/Macro Economics♦^	775ABA	11-12	1
Introduction to Psychology	780	10-12	0.5
AP Psychology♦^	785ABA	10-12	1
AP Biology/AP Psychology Bundle*♦^	097AP	10-12	1 (2.5 total)

700AB 700ABA	World Cultures Grades: 9 Credit: 1 Prerequisites: None NCAA Approved	This course puts an emphasis on examining world cultures through a conceptual lens focusing on geography, world history, population patterns and demographic changes, government and economic systems, the development of language and religion, human interaction with the environment and land use, and industrialization and its impact on local and global economies. Students will study historical examples as well as current issues in order to develop a better understanding of world cultures.
710	Civics* Grades: 9-10 Credit: 0.5 Prerequisites: World Cultures OR concurrent enrollment NCAA Approved	Civics is a practical study of the American political system, and the history and principles of the Constitution and the Bill of Rights. The course will move logically from the foundations of American government to citizen involvement in the political process at the national, state, and local levels. The course is designed to show how government in the United States at all levels works, and how you can participate in it.
715	Sociology Grades: 10-12 Credit: 0.5 Prerequisites: None	Sociology is based on the nature of people and their relationships with society. This course will attempt to help answer many questions that students have about the relationship between individuals, social groups, and social institutions in society. The areas of concentration for this course include the following: an introduction to the sociological perspective, cultural norms and social patterns, subcultures and countercultures, gender roles, deviance, and the criminal justice system.
720	Law and Order Grades: 10-12 Credit: 0.5 Prerequisites: None NCAA Approved	Law and Order is designed to help students negotiate through our law-saturated society as they face legal issues throughout their lives. Topics students study include constitutional law, criminal law, juvenile justice, torts and civil law, consumer protection, and family law. The course will emphasize practical legal knowledge, studying actual cases to understand how laws are applied, and utilizing online resources to study crime and apply relevant state statutes. Students will discuss various ways of resolving legal conflicts in and out of courts.
725	Contemporary Issues Grades: 10-12 Credit: 0.5 Prerequisites: None NCAA Approved	Contemporary Issues is a course that undertakes the study of problems and issues of the current modern world. Students who are interested or want to know more about what is happening in the world around them, this is the class for you! Discussion and debate are heavily emphasized in class.

730	<p>Culture and Society</p> <p>Grades: 10-12 Credit: 0.5 Prerequisites: None NCAA Approved</p>	<p>Culture and Society will allow students to examine culture as a system of knowledge, beliefs, patterns of behavior, artifacts and institutions that are created, learned, shared and contested by a group of people. The course will draw on anthropology, sociology, history and political thought to better understand local, national, and global human issues. Students will develop and apply critical thinking and observation skills through the analysis of real world case studies using the scientific method and multiple perspectives.</p>
735	<p>American Military History</p> <p>Grades: 10-12 Credit: 0.5 Prerequisites: None NCAA Approved</p>	<p>This course will focus on the origins of our military and its use as a tool of national policy. The selected time period of study will be from the Revolutionary War through current military conflicts. Students will become familiar with basic military science, the causes and effects of each war, application of science and technology to the battlefield, and the great leaders and their campaigns.</p>
740	<p>Modern American History</p> <p>Grades: 11 Credit: 0.5 Prerequisites: None NCAA Approved</p>	<p>This course will focus on the rise of America as a global power and its evolving role in the 21st century. Starting with World War I, students will examine the cultural, economic, diplomatic, and political events of American history. Attention will be devoted to the skills of reading, comprehension, and communication using a variety of multimedia sources. Using these sources, students will develop chronology, support positions, formulate judgements, and reach conclusions about American values.</p>
745ABA	<p>AP U.S. Government and Politics◆^</p> <p>Grades: 10-12 Credit: 1 Prerequisites: None NCAA Approved</p>	<p>AP US Government and Politics provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret American politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute US political reality. This course has a \$20 fee.</p>
750ABC	<p>AP U.S. History◆^</p> <p>Grades: 11-12 Credit: 1.5 Prerequisites: None NCAA Approved</p>	<p>Advanced Placement US History follows the standard American History format, but is more inclusive and is taught at an accelerated pace. The course requires higher level critical thinking skills, superior writing ability, and self direction. A typical unit will include document based writing, advanced objective tests, and detailed historical analysis.</p>

755	<p>Western Civilization</p> <p>Grades: 10-12 Credit: 0.5 Prerequisites: None NCAA Approved</p>	<p>The purpose of this course is to provide students with a general overview of the development of Western Civilization. The course stresses a topical approach to cultures, institutions, and movements influencing the position of Western society in the world. Topics to be covered include Germanic Tribes, Feudalism, the Medieval Church, Renaissance, Reformation, and Enlightenment.</p>
760	<p>Ancient Civilization</p> <p>Grades: 10-12 Credit: 0.5 Prerequisites: None NCAA Approved</p>	<p>Ancient Civilization focuses on the great civilizations of the world that have preceded our own. Emphasis will be placed on the structure, function, organization, culture, and philosophy of these ancient societies. The fields of anthropology, archeology, and sociology will be used to focus our research and discussion. We will begin our exploration with the early hominid groups of the Rift Valley in Africa. As man begins to populate the world we will look at the civilizations of Mesopotamia, the Indus Valley, Egypt, China, Greece, and Rome.</p>
765	<p>World Religions</p> <p>Grades: 10-12 Credit: 0.5 Prerequisites: None NCAA Approved</p>	<p>The primary intent of this class is to assist students to gain a basic understanding of world religions and religious events. The course is an introduction to five of the world's religious traditions: Hindu, Buddhist, Jewish, Christian, and Muslim. The approach will be historical; however, each of the five major world religions and various sects will be analyzed and compared to American religious culture. The secondary intent is to foster religious tolerance through understanding.</p>
770	<p>Economics</p> <p>Grades: 10-12 Credit: 0.5 Prerequisites: None NCAA Approved</p>	<p>Economics is an introduction to financial responsibility, prices in the market, and how the economy works both nationally and internationally. Economics covers benefits/costs of any decision in the real world, economic stability and how to change instability of the economy. It employs how these forms of the economy work together as well as the economic concepts of scarcity, opportunity, costs, trade offs, and productivity.</p>
775ABA	<p>AP Micro/Macro Economics ♦[^]</p> <p>Grades: 11-12 Credit: 1 Prerequisites: None NCAA Approved</p>	<p>Microeconomics places primary emphasis on the nature and functions of product markets (supply and demand theory) and the role of government in promoting greater efficiency and equity in the economy. Macroeconomics places particular emphasis on the study of macroeconomic concepts of demand and supply, international trade and world poverty. Economics covers benefits/costs of any decision in the real world, economic stability, and how to change instability of the economy. This course has a \$45 fee.</p>

780	<p>Introduction to Psychology</p> <p>Grades: 10-12 Credit: 0.5 Prerequisites: None NCAA Approved</p>	<p>Psychology is designed to help students better understand their own behaviors and mental processes. Students will learn to apply psychological concepts to their everyday lives. Some of the topics students will examine include memory, learning, sleep, dreams, hypnosis, perception, sensation, the brain, and basic principles of psychological research. Students will design and conduct an original psychological experiment throughout the course.</p>
785ABA	<p>AP Psychology◆^</p> <p>Grades: 10-12 Credit: 1 Prerequisites: None NCAA Approved</p>	<p>The AP Psychology course provides students with the opportunity to earn credits both for high school and for college. The purpose of this course is to introduce students to the systematic and scientific study of behavior and mental processes. There are fourteen distinct units for intense study including Psychological Research Methods, Biological Bases of Behavior, Learning, Memory, Thinking & Language, Developmental Psychology, and Abnormal Psychology. Option to bundle with AP Biology. See page 8 for details.</p>
097AP	<p>AP Biology/ Psychology*◆^</p> <p>Grades: 10-12 Credit: 1 (2.5 total) Prerequisites: Biology AND Intro to Physics, AND Intro to Chemistry</p>	<p>The AP BioPsych Bundle is the equivalent of three semesters of introductory college-level material (2 semesters of Biology and 1 semester of Psychology). Students who take these courses in a bundled course option will integrate all the same course topics and concepts as individual courses to provide a deeper understanding and transfer of content. Due to overlap and connections in topics and concepts, this bundle is a 2.5 credit course that meets daily during one block for the entire year. Students taking this bundle will be prepared for both AP exams in May. See page 8 for more details.</p> <p>In addition to Biology, Introduction to Physics, and Introduction to Chemistry, this course can be used to fulfill the third science requirement for graduation.</p>

Careers in Social Studies

Political Scientist
Economist
Industrial-Organizational
Government Worker
Legal Professional (Lawyer, Judge,
Clerk, etc.)

Sociologist
Geographer
Psychologist
Urban & Regional Planner
Law Enforcement

Anthropologist and
Archeologist
Historian
Survey Researcher

Key:

- (ES) Indicates it is a Science Equivalency course
- + Indicates that a course is repeatable for credit
- * Indicates course has (a) prerequisite(s). Please refer to the course descriptions for more information
- ◆ Indicates course provides an opportunity for college credit
- ^ Indicates course provides a weighted grade

Technology and Engineering Education

Title	Course Number	Grades	Credits
Introduction to Aviation & Aerospace	845AB	9-12	1
Auto Maintenance	846	9-12	0.5
Auto Service (TC)*◆	849	9-12	0.5
Auto Technician (TC)*◆	852AB	9-12	1
Home Maintenance	855	9-12	0.5
Residential Construction Interiors*	858	9-12	0.5
Residential Construction Exteriors*	861	9-12	0.5
Architecture	884AB	10-12	1
VISION*	865VIS	11-12	2
Wood Products I	867	9-12	0.5
Wood Products II*	870	9-12	0.5
Wood Products III*	873AB	9-12	1
Wood Products IV*	874AB	10-12	1
STEM Bundle: Introduction to Physics and Chemistry with Applied Technologies*	098SB	9-10	0.5 (1.5 total)
Engineering Concepts	878AB	9-12	1
Engineering Design (TC)◆^	887AB	9-12	1
Engineering Solutions	890	9-12	0.5
Machine Tool I	893	9-12	0.5
Machine Tool II*	897	9-12	0.5
Welding Processes I	898	9-12	0.5
Welding Processes II*	899	9-12	0.5

Fabrication Methods*	891AB	9-12	1
Automated Manufacturing*	892AB	9-12	1
CNC Manufacturing*	889AB	10-12	1
Power Equipment Technology	875	9-12	0.5
Graphics and Photography Exploration	862	9-12	0.5
Graphics Production*	863	9-12	0.5
Graphics Manufacturing*	864AB	9-12	1
TEE Student Assistant	843	11-12	0.5

845AB	Introduction to Aviation & Aerospace Grades: 9-12 Credit: 1 Prerequisites: None	This course provides the foundation for advanced exploration in flying, aerospace engineering, and unmanned aircraft systems. Students will learn about engineering practices, problem-solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible. This course is the foundation for both pathways and gives students a clear understanding of career opportunities in aviation and aerospace and the critical issues affecting the industry.
846	Auto Maintenance Grades: 9-12 Credit: 0.5 Prerequisites: None	This course is for students who want to understand the basic required maintenance of an automobile. No prior knowledge of the automobile is necessary. The student will perform routine maintenance tasks. This course will use classroom discussion, demonstrations, and hands-on lab experiences. Students will be expected to work on shop cars with an option to work on personal vehicles in some cases. This course has a \$5 fee.
849	Auto Service (TC)*♦ Grades: 9-12 Credit: 0.5 Prerequisites: Auto Maintenance	This course is designed for students to develop an understanding of automotive systems. Students will explore automobiles through predetermined project based lab experiences. Diagnosis of typical automotive failures, common repairs and regular maintenance tasks will be the focus for coursework. Students can earn transcribed credit through MPTC, as the content of Auto Service aligns to MPTC's Auto Service Fundamentals course. See page 12 for details about transcribed credit. This course has a \$10 fee.
852AB	Auto Technician (TC)*♦ Grades: 9-12	This course is designed for students interested in elevating their skills and knowledge of the automotive service industry. Emphasis is placed on automotive careers as well as diagnosing problems, vehicle repairs and troubleshooting.

	Credit: 1 Prerequisites: Auto Service	The course will focus heavily on brakes, steering, suspension and electrical service. Students can earn transcribed credit through MPTC, as the content of Auto Technician aligns to MPTC's Brake Systems course. See page 12 for details about transcribed credit. This course has a \$15 fee.
855	Home Maintenance Grades: 9-12 Credit: 0.5 Prerequisites: None	This course is designed to introduce students to the basic fundamentals of home maintenance and ownership. Students will complete project based learning activities based on interior home care like carpentry, electrical, drywall, plumbing, painting, and tiling. Additionally students will demonstrate understanding and skills related to exterior home care topics like siding, roofing, and landscaping. No prior experience necessary. This course has a \$5 fee.
858	Residential Construction Interiors* Grades: 9-12 Credit: 0.5 Prerequisites: Home Maintenance	This course is designed to further engage students in the process of interior home construction. Specifically, students will study and complete projects based on rough and finish electrical, plumbing, and HVAC; drywall installation/finishing, and trim carpentry. All units will spotlight on industry safety standards and focus on the career opportunities associated with those trades. This course has a \$15 fee.
861	Residential Construction Exteriors* Grades: 9-12 Credit: 0.5 Prerequisites: Home Maintenance	This course is designed to further engage students in the process of exterior home construction. Specifically, students will study and complete projects based on reading blueprints, framing layout, rough carpentry, masonry, roofing, water and air infiltration technology, windows, and siding. All units will spotlight on industry safety standards and focus on the career opportunities associated with those trades. This course has a \$15 fee.
884AB	Architecture* Grades: 10-12 Credit: 1 Prerequisites: Geometry (may be taken concurrently)	This STEM course will investigate how a structure is designed and built as well as the layout of spaces between the walls. Architecture is more than just walls around us. The form and function of the spaces we live and work in are at the heart of how any design comes to life. Students will primarily work in REVIT, a computer based design software, but will also have the opportunity to do some scaled hand drafting.
865VIS	VISION* Grades: 11-12 Credit: 2 Prerequisites: Residential	VISION is a community-based construction project that may include a residential house project. It is a hands-on experience for students who are interested in careers related to the construction industry. Relationships within the Hartford community provide opportunities for

	Construction Interiors AND Exteriors OR Residential Construction AND application	students to participate in residential construction projects. Enrollment is limited. Students will be required to submit an application for entry.
867	Wood Products I Grades: 9-12 Credit: 0.5 Prerequisites: None	Students taking Wood Products I will be introduced to the wood products industry with a hands-on approach. Classwork will include development of part drawings, bill of materials, and precise measurement. Student projects are designed to teach proper use of the table saw, radial arm saw, jointer, planer, wide belt, disc sander, edge sander, and band saw along with an assortment of hand tools. This course has a \$10 fee.
870	Wood Products II* Grades: 9-12 Credit: 0.5 Prerequisites: Wood Products I	A comprehensive action-based study of the modern materials and processes associated with production of modern cabinetmaking and millwork. Coursework includes learning how to safely and productively utilize production and cabinetmaking equipment, and technique. This is in an effort to create awareness of the industry and possible future employment opportunities. Students will also program basic operations on the CNC milling center to demonstrate technological advances in the wood products industry. This course has a \$15 fee.
873AB	Wood Products III* Grades: 9-12 Credit: 1 Prerequisites: Wood Products II	This course is designed for students interested in strengthening their skills and knowledge in the fields of the wood products industry. A theme of mass production will be used to expose students to current materials and processing techniques. Students will use team dynamics to solve problems, make decisions, and develop personal contacts with others involved in the wood products industry. This course has a \$20 fee.
874AB	Wood Products IV* Grades: 10-12 Credit: 1 Prerequisites: Wood Products III	Students taking Wood Products IV will be involved in building residential cabinetry. A highly technical approach will be taken by using the CNC milling and drilling center to produce quality custom cabinetry. Class work will include development of part drawings, bill of materials, precise measurement, and CNC programming. Student projects are designed to teach proper and advanced use of the CNC router and CNC Boring Center. Students enrolled in this course would work with the VISION or other community projects to produce casework intended to be installed into a home or building. This course has a \$20 fee.
649AB	STEM Bundle: Introduction to Physics and	This course will provide students with an interdisciplinary approach. Students will be encouraged to integrate STEM into course practices. Applied Technologies integrates Introduction to Physics and

	<p>Chemistry with Applied Technologies*</p> <p>Grades: 9-10 Credit: 0.5 TEE (1.5 total) Prerequisites: Algebra I</p>	<p>Introduction to Chemistry courses, and will satisfy the Science requirement. The course will involve participation in problem based and project based learning activities, using mathematics and science to relate to technology problems. Students will practice the design process when developing and/or creating their own products. Once enrolled, students are not permitted to drop the course at any point in the year. This class has a \$10 fee.</p>
878AB	<p>Engineering Concepts</p> <p>Grades: 9-12 Credit: 1 Prerequisites: None</p>	<p>This STEM course offers an introduction to the various fields of engineering, the design process, and serves as a starting point for the Engineering pathway. The class centers around small-group collaboration-based learning to investigate engineering challenges, including bridge and structure design and construction, predictive modeling with rockets and destructive testing, and hands-on creation of student designed projects. Students will also be introduced to 3-D modeling, laser engraving, and many other STEM lab opportunities. This course is formerly named Introduction to Engineering Design and is non-repeatable.</p>
887AB	<p>Engineering Design (TC)◆^</p> <p>Grades: 9-12 Credit: 1 Prerequisites: None</p>	<p>This STEM course uses 3D Solid Modeling software and has many activities /exercises that enable students to put design concepts into practice. Students will have the opportunity to become a Certified SolidWorks Associate (CSWA) at the completion of this course. Students can earn transcribed credit through MPTC, as the content of Engineering Design aligns to MPTC's CAD 3-D SolidWorks course. See page 12 for details about transcribed credit. This course is formerly named STEM: 3D Solid Modeling and is non-repeatable. This course has a \$15 fee.</p>
890	<p>Engineering Solutions</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: None</p>	<p>This course introduces the fundamental concepts of programming and robotics. A robot is an embedded system of software and hardware. Mechanical topics covered will be simple mechanisms, fluid power, motors, actuators, chassis design, electricity, and sensors. Teamwork skills will be tested as students are exposed to problem solving, program design, algorithms, and programming using a high-level language. Programming and building robots applies science, technology, engineering, and math (STEM) concepts. This course is formerly named Robotics and is non-repeatable.</p>
893	<p>Machine Tool I</p> <p>Grades: 9-12 Credit: 0.5 Prerequisites: None</p>	<p>This course is designed for all students to explore today's machining processes. Students will use milling, turning, cutting, and drilling operations to complete project based activities. No prior experience necessary. This course has a \$10 fee.</p>

897	Machine Tool II* Grades: 9-12 Credit: 0.5 Prerequisites: Machine Tool I	This course is designed for students interested in the machine tool field. Students will develop an understanding of machine operation, productivity, and quality control. Basic computer numerical control (CNC) operations will be applied. An emphasis is placed on tolerances, cutting speeds, feed rates, and metallurgy. This course has a \$10 fee.
898	Welding Processes I Grades: 9-12 Credit: 0.5 Prerequisites: None	This course is designed for all students to explore welding through the use of practical applications. Students will explore stick, MIG, and resistance welding processes. These concepts will be reinforced using project based activities. No prior experience necessary. This course has a \$15 fee.
899	Welding Processes II* Grades: 9-12 Credit: 0.5 Prerequisites: Welding Processes I	This course is designed for students who are serious about strengthening their skills in the field of welding. Students will enhance their stick and MIG welding skills and will be introduced to plasma cutting, blueprint reading, and job readiness skills. These concepts will be reinforced by using project based learning activities. This course has a \$15 fee.
891AB	Fabrication Methods* Grades: 9-12 Credit: 1 Prerequisites: Welding Processes II OR Machine Tool II OR STEM: 3-D Solid Modeling	This course is designed for students to experience fabrication techniques utilized in today’s manufacturing field. Students will create products using computer aided design (CAD) software, computer numerical control (CNC) machines, and advanced fastening techniques. These concepts will be reinforced by using project based learning activities. This course has a \$20 fee.
892AB	Automated Manufacturing* Grades: 9-12 Credit: 1 Prerequisites: Welding Processes II OR Machine Tool II OR STEM: 3-D Solid Modeling	This course is designed for students to experience the computer aided manufacturing process (CAM) through the use of practical applications. Students will utilize computer aided design (CAD) software to create digital images of components and use computer numerical control (CNC) machines to put design concepts into practice. These concepts will be reinforced by using project based learning activities. This course has a \$20 fee.
889AB	CNC Manufacturing* Grades: 10-12 Credit: 1 Prerequisites: Fabrication Methods OR Automated	This course is a blend of Automated Manufacturing and Fabrication Methods. In this class, students will combine their CNC machining, CNC fabrication, and welding skills to make class projects. They will also make a collaborative project with one of our local business partners. This collaboration experience will help students understand the processes used by our local business partners and will

	Manufacturing	allow them to practice different careers associated with manufacturing today. This course has a \$20 fee.
875	Power Equipment Technology Grades: 9-12 Credit: 0.5 Prerequisites: None	Power Equipment Technology will focus on internal combustion engines, mainly two and four cycle gasoline engines. Students will gain knowledge of basic hand tools and will disassemble and reassemble small engines to gain understanding of displacement, valve trains, fuel systems, and basic electrical systems. Students will learn how to repair power equipment through troubleshooting and equipment testing. We will learn about the general care and maintenance of power equipment, such as proper winterization, storage, blade sharpening, lubrication and regular upkeep. Technical reading skills, organizational skills and measurement will be emphasized. Students will also learn about opportunities available in the outdoor power products and transportation and career pathway. This course has a \$15 fee.
862	Graphics and Photography Exploration Grades: 9-12 Credit: 0.5 Prerequisites: None	Students will explore the field of digital design as well as digital imaging. Digital images, whether photographic or design based, are the cornerstone of today's media rich environment. This course will focus on gaining exposure to digital photography equipment and learn basic camera control, composition and basic Photoshop skills. Students will also get exposed to printing processes such as screen printing, dye sublimation and laser cutting. Students will also learn Illustrator for these processes. This course has a \$10 fee.
863	Graphics Production* Grades: 9-12 Credit: 0.5 Prerequisites: Graphics & Photography Exploration OR Digital Photography OR Digital Graphics and Production	Students will build off of what they learned in Graphics and Photography Exploration and create more in depth hands-on projects. They will learn more advanced camera techniques as well as multi-colored screen printing. They will learn more about the photography industry and careers that can be obtained in the photography field as well as careers in the graphics and printing field. This course has a \$10 fee.
864AB	Graphics Manufacturing* Grades: 9-12 Credit: 1 Prerequisites: Graphics Production	This course is designed as the Graphics Pathway Capstone course. Within this course, students will have the option to choose one of three options to focus on. Those options are photography, screen printing and thermal printing. Students will also create products for school clubs and activities based on the needs of the school. Students will get estimates, produce tests and print final products for clubs and activities. This course has a \$20 fee.
843	TEE Student Assistant	Students in this course would assist the TEE instructor with lab setup / teardown, basic lab / machine maintenance tasks, and mentoring

	Grades: 11-12 Credit: 0.5 Prerequisites: None	students. This course will teach students valuable employment skills needed to get a high paying job.
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Careers in Technology and Engineering Education

Architectural Drafting Architectural Millwork Automotive Service Cabinetmaking Carpentry Civil Engineering Construction Equipment Operations CNC Operations Diesel Equipment Maintenance Digital Cinema Production	Electrical Construction Wiring Facility Maintenance Engineering Interior Design Manufacturing Masonry Mechanical Engineering Mold Making Motorcycle Service Photography Plumbing Power Equipment Technology	Precision Machining Project Managing Quality Control Robotics/Automation Screen Printing Service Managing Sheet Metallurgy Teaching Technical Drafting Web Design Welding
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Key:

- (ES) Indicates it is a Science Equivalency course
 + Indicates that a course is repeatable for credit
 * Indicates course has (a) prerequisite(s). Please refer to the course descriptions for more information
 ♦ Indicates course provides an opportunity for college credit
 ^ Indicates course provides a weighted grade

World Languages

Title	Course Number	Grades	Credits
French I	300AB	9-12	1
French II*	305AB	9-12	1
French III*	310AB or 310ABA	9-12	1
French IV*	315AB	10-12	1
Spanish I	320AB or 320ABA	9-12	1
Spanish II*	325AB or 325ABA	9-12	1
Spanish III*	330AB or 330ABA	9-12	1
Spanish IV*	335AB or 335ABA	9-12	1
Spanish V (DC)*♦^	340AB	10-12	1
Spanish VI (DC)*♦^	350AB	10-12	1
Spanish Conversation*	345ABA	10-12	1

300AB	French I Grades: 9-12 Credit: 1 Prerequisites: None NCAA Approved	This course introduces students to the French language, culture, and geography and compares them to their own. Students will focus on developing basic speaking, listening, reading, and writing skills in French. Students will experience authentic language and culture via media and real-life situations through our partnership with a French school. No previous language experience is required.
305AB	French II* Grades: 9-12 Credit: 1 Prerequisites: French I NCAA Approved	This course will enhance students' skills in speaking, listening, reading, and writing French. More attention is given to active communication and cultural knowledge. The skills base is expanded into intermediate-level grammar constructions. Students will be given the opportunity to correspond with students in France and develop conversational skills.

310AB 310ABA	French III* Grades: 9-12 Credit: 1 Prerequisites: French II NCAA Approved	This course will focus more on conversation and written skills in French. More complex grammar structures and vocabulary are introduced through thematic units. In addition we begin to study the history of the French speaking world through short, written articles and stories in French. Students at this level are expected to attempt to communicate as much as possible in the French language.
315AB	French IV* Grades: 10-12 Credit: 1 Prerequisites: French III NCAA Approved	Complex grammar structures are introduced with the goal of communicating at a near-native speaker level. Research projects and presentations, journals, and literature are avenues of learning in this course. Students are expected to communicate primarily in the French language.
320AB 320ABA	Spanish I Grades: 9-12 Credit: 1 Prerequisites: None NCAA Approved	An introductory course with emphasis relative to conversation, reading, writing, and verbal comprehension along with related grammatical skills based on the Wisconsin State Standards. Culture of the various Spanish-speaking countries is taught concurrently to language instruction in order to promote a better understanding of Spanish-speaking people and tolerance of different world views. No previous language experience is required.
325AB 325ABA	Spanish II* Grades: 9-12 Credit: 1 Prerequisites: Spanish I NCAA Approved	An intermediate course with increased emphasis on speaking, reading, listening, and writing exercises including the verb moods and tenses and basic sentence patterns based on the Wisconsin State Standards. Culture of the various Spanish-speaking countries is taught concurrently with language instruction in order to promote a better understanding of Spanish-speaking people and a tolerance of different world views.
330AB 330ABA	Spanish III* Grades: 9-12 Credit: 1 Prerequisites: Spanish II NCAA Approved	This is an intermediate course with increased emphasis on speaking, listening, reading, and writing in the target language. A thorough study of the structure of Spanish is studied through the use of advanced materials, short stories, and verbal interaction. The student will understand the target language when spoken at a normal rate of speed and will speak it with acceptable pronunciation and intonation. The student will write correctly anything he/she can say. Culture of the various Spanish-speaking countries is taught concurrently with language instruction in order to promote a better understanding.
335AB 335ABA	Spanish IV* Grades: 9-12 Credit: 1 Prerequisites: Spanish III	Spanish IV is an upper-intermediate course with increased emphasis on speaking, listening, reading, and writing in the target language. This course will consist of a general grammar review. Other areas of concentration may include Spanish composition, Spanish literature, and cultural history of Spanish-speaking countries. Most literature,

	NCAA Approved	discussions, and conversations will be in Spanish. Student presentations are expected to be performed in the target language.
340AB	<p>Spanish V (DC)*♦^</p> <p>Grades: 10-12 Credit: 1 Prerequisites: Spanish IV NCAA Approved</p>	Spanish V will prepare students to demonstrate their levels of Spanish proficiency through interpersonal and presentational communication tasks. Students are expected to converse in Spanish on a daily basis. This course is meant to be comparable to 5th semester college level Spanish with a focus on target language speaking and writing at an advanced level. Students can earn dual credit through UWO, as the content of Spanish V aligns to UWO's Spanish 204 course. See page 10 for details about dual credit. At the end of the course, if a student earns a grade of an A or B, he/she will receive 5 college credits and 11 retroactive credits.
350AB	<p>Spanish VI (DC)*♦^</p> <p>Grades: 10-12 Credit: 1 Prerequisites: Spanish V NCAA Approved</p>	Spanish VI is a continuation of skills learned in Spanish V with a focus on advanced grammatical principles and demonstration of those principles through interpersonal and presentational communication tasks. Students are expected to converse in Spanish on a daily basis. This course is meant to be comparable to a 6th semester college level Spanish course. Students can earn dual credit through UWO, as the content of Spanish VI aligns to UWO's Spanish 312 course. See page 10 for details about dual credit. At the end of the course, if a student earns a grade of C or higher, he/she will receive 5 college credits that are transferable to most post secondary institutions.
345ABA	<p>Spanish Conversation*</p> <p>Grades: 10-12 Credit: 1 Prerequisites: Spanish III, OR IV, OR V</p>	This course focuses on the student's ability to participate in spontaneous conversations in Spanish. Students will participate in weekly small group conversation circles as well as have several verbal and written presentations. Students are expected to participate on a daily basis and use Spanish whenever possible.

Careers in World Languages

Translator/Interpreter
Language Teacher
Tourism/Hospitality

Diplomacy
International Business
Journalism

Airline Services
Medical Careers

Practices/Policies

Equal Educational Opportunity

All courses, including Career and Technical Education courses, are available without discrimination based on race, color, religion, national origin, ancestry, creed, pregnancy, marital status, parental status, sexual orientation, sex, (including gender status, change of sex or gender identity), or physical, mental, emotional, or learning disability, any other characteristic protected by law in any of its student programs, activities, and employment ("Protected Classes").

The Hartford Union High School district (HUHS) has adopted a policy of nondiscrimination. It is the policy of the HUHS district, pursuant to Wis. Stat. 118.13 and PI9, that no person, on the basis of race, color, age, national origin, ancestry, religion, creed, sex (including transgender status, change of sex, sexual orientation, or gender identity), pregnancy, marital status, military status, genetic information, or physical, mental, emotional, learning disability or handicap, may be denied participation, be denied admission to any school in this district, or be denied participation in, be denied the benefits of, or be discriminated against in any co-curricular, pupil service, recreation, or another program. This policy also prohibits discrimination as defined by Title IX of the Educational Amendments of 1972 (sex), Title VI of the Civil Rights Act of 1964 (race and national origin), and Section 504 of the Rehabilitation Act of 1973.

Scheduling

Course Assignment/Class Load

Board policy (5200.01) requires each student to carry a minimum class load of not less than 8 credits per year (4 per semester). Fifth-year students need only take the credits needed to graduate as long as there is room in the program or class. Please refer to p. 5.

The Scheduling Process

Students and their parents are asked to carefully and thoughtfully plan a student's program for each school year. If students realistically consider their abilities, interests, and goals in selecting courses, careful planning and good decision-making will keep program changes to a minimum.

The courses described in this guide have been approved by the Board of Education based on course enrollment. This does not guarantee that all courses will be available. Elective classes with low enrollments may not be offered. The master schedule and teacher assignments of all courses for the school year are based on student course selection.

Students will select 8 credits, along with 3 alternate credits in any combination, each spring in preparation for the next school year. During this process, students should pay close attention to the following rules as part of their course selections:

- If the course number does not have a letter, this is a 0.5 credit course that runs every day for 9 weeks.
- If the course number ends in AB, this is a 1.0 credit course that runs every day for 1 semester.
- If the course number ends in ABC, this is a 1.5 credit course that runs every day for 3 terms.
- If the course number ends with ABA, this is a 1.0 credit course that runs on A or B days for the entire year. If students choose ABA courses, they must select either 2 or 4 of the 1.0 credit ABA courses to balance out the block.

Please refer to the course selection pages during registration in January and February for additional details.

Schedule Changes/Corrections

Requests for schedule changes are extremely rare and only considered in the following situations:

- A current conflict within the schedule and classes need to be added, removed, or moved.
- An incomplete schedule and classes need to be added.
- Students enrolled in the Youth Apprenticeship, Start College Now, or Early College Credit Program and their schedule needs to be adjusted.
- Seniors missing a graduation requirement or are short on credits.
- Re-taking a class due to failure.
- A documented medical condition by a physician based on a current medical recommendation.
- Completed summer school credit recovery and the schedule needs to be adjusted.
- Teacher recommendation based on previous performance or ability level.
- Special education IEP provisions.

Note: Only contact a School Counselor if one of these situations affects your schedule.

Schedule changes after the final master schedule is determined are rare. In those rare cases, schedule changes are a collaboration among students, parents, teachers, and counselors regarding what is best for students. Requests should be made as soon as possible.

Dropping a Course

HUHS does not allow dropping courses because of its interruption on learning. Extenuating circumstances require approval by administration. Dropping a course will result in an F on the student's transcript.

PE WIAA Option and Waiver

Students in grades 10 or 11, and who have completed 1.0 credit of Physical Education, may complete an additional 0.5 credit in English, Social Studies, Math, or Science in lieu of 0.5 credit in Physical Education. Students must participate in WIAA-sponsored junior varsity or varsity sports as part of the district's athletic program. Students must register for PE: WIAA during the course selection process in the year prior to completing the sports season. For more detailed information, please view Board policy 5460 - Graduation Requirements.

Transcripts

Students can request their HUHS transcripts be sent to colleges and universities via Parchment at www.parchment.com. Parchment provides a secure and efficient means to send transcripts to colleges/universities throughout the United States. There is a fee per transcript.

2024-2025 Course Fees

Agriculture			Social Studies	
Wildlife and Forestry Management	\$10		AP Macro/Micro Economics	\$45
Art			AP US Government and Politics	\$20
Art in the Community	\$25		Technology and Engineering	
Introduction to Art	\$30		Auto Maintenance	\$5
Drawing and Painting I	\$20		Auto Service	\$10
Pottery, Metals, and Sculpture I	\$20		Auto Technician	\$15
Drawing and Painting II	\$20		Home Maintenance	\$5
Pottery, Metals, and Sculpture II	\$20		Wood Products I	\$10
AP Art and Design	\$45		Wood Products II	\$15
FACS			Wood Products III	\$20
Culinary Arts I and II	\$20		Wood Products IV	\$20
Culinary Arts III and IV	\$40		Residential Construction (Interior and Exterior)	\$15
Music			Graphics and Photography Exploration	\$10
Beginning Class Piano	\$20		Graphics Production	\$10
Instrumental Rental (as needed)	\$35		Graphics Manufacturing	\$20
Music Supplies (as needed)	TBD		Engineering Design	\$15
Physical Ed and Health			STEM Bundle	\$10
Lifeguarding	\$10		Welding Processes I and II	\$15
Science			Power Equipment Technology	\$15
Advanced Astronomy	\$40		Machine Tool I and II	\$10
PLTW: Principles of Biomedical Science	\$20		Fabrication Methods	\$20
PLTW: Human Body Systems	\$20		CNC Manufacturing	\$20
PLTW: Medical Interventions	\$20		Automated Manufacturing	\$20
PLTW: Biomedical Innovations	\$20			

Grading Information

Grading Periods and Reporting Student Progress

Grades are reported to communicate a valid representation of achievement of learning targets, which are aligned to state adopted standards, and approved by the HUHS Board of Education. HUHS must produce a grade that is accurate, reliable, and consistent. Most importantly, it must be understandable to all stakeholders.

Grade reports can be used by numerous entities, such as students, parents, teachers, administrators, post-secondary institutions, employers, scholarship committees, and other school districts, and to help students plan for their future and additional educational opportunities.

- Academic grades measure a student's mastery of learning targets, which are aligned to state adopted standards and approved by the HUHS Board of Education.

Grading Scale

The following grades and grading scales have been approved by the Board of Education. Each course will clearly identify and communicate which grading scale will be used. In addition, a Pass/Fail grading scale will be used for appropriate courses.

100 Point Scale	Grade	5 Point Scale
98.00-100.00	A+	5.000
93.00-97.99	A	5.000
90.00-92.99	A-	4.666
87.00-89.99	B+	4.333
83.00-86.99	B	4.000
80.00-82.99	B-	3.666
77.00-79.99	C+	3.333
73.00-76.99	C	3.000
70.00-72.99	C-	2.666
67.00-69.99	D+	2.333
63.00-66.99	D	2.000
60.00-62.99	D-	1.666
0.00-59.99	F	0

Honor Roll

Honor Roll is based on grades posted at the end of each semester, and a 4.00 unweighted scale. To be eligible, students must have no incompletes and be taking at least six credits. Honor Roll will only be processed and reported each semester.

Honors: 3.00-3.666

High Honors: 3.667 or higher

Student Records

HUHS has both a cumulative and attendance/discipline record maintained by the Principal (or designee) from the time of the student's initial enrollment until his/her departure. Information about students is collected, maintained, used, disseminated, and retained in accordance with the district administrative procedures, as well as state and federal laws. Student records are confidential and are treated as such. They are accessible and released to professional staff, parents/guardians, students and other qualified individuals only as permitted by

state and federal laws. Student records shall be made available to school officials who have been determined by the Board to have legitimate educational interests, including safety interests. A “school official” is a person employed by the district who is required by DPI to hold a license, or who is employed by or working on behalf of the district as an administrator, supervisor, instructor, support staff, Board member, contracted individuals such as an attorney, therapist, medical consultant, auditor, members of official committees such as disciplinary or grievance. A school official must have a “legitimate educational interest” to review the records to fulfill his/her professional duties and/or district responsibility.

In the case of divorce, the district must give full rights with regard to student records to either parent unless there is a court order or other legally binding document relating to divorce, separation, or custody that specifically revokes these rights.

In addition, the rights held by a parent for a minor child transfer to the child when he/she reaches the age of 18; however, the parents of an adult student who continues to be financially dependent upon the parents may continue to have access to their child’s records, unless the adult student notifies the school in writing that this information may not be shared with the parents without the adult student’s permission

Transfer Students

Students transferring into HUHS must complete several important steps before enrolling and beginning classes.

- Transfer students and their parents/guardians must contact the Student Services Office to schedule an appointment with the assigned Counselor.
- HUHS grants credit to transfer students’ previous work contingent upon receipt of official transcripts from students’ previous schools according to Board Policy 5463 - Credits from Non-Public Schools.
- Transfer students must satisfy all HUHS graduation requirements as specified in Board Policy 5460 - Graduation Requirements.
- Transfer students and their parents/guardians should see their assigned Counselor for complete information.

Transfer students who wish to participate in interscholastic athletics must comply with WIAA provisions regarding transfer students. Contact the Athletic/Activity Director with questions at scott.helms@huhs.org.

Exchange Students

Exchange students at HUHS will be eligible for a Hartford Union High School Certificate of Participation at the end of the school year.

HUHS students who study abroad in an approved exchange program will earn a passing grade of “P” in their coursework and will not receive actual letter grades. Coursework completed through the exchange program will need to be approved in order to meet HUHS graduation requirements. Students will retain the same GPA upon their return to HUHS as they had when they left for the exchange experience.

Open Enrollment

The inter-district public school open enrollment program allows parents to apply for their children to attend public school in a school district other than the one in which they reside. Any Wisconsin resident may apply to attend a nonresident school district under the Open Enrollment Program.

The regular open enrollment application period typically begins the first week of February and closes the last week of April. For exact dates of the Open Enrollment Application period, please visit www.dpi.wi.gov and search Open Enrollment.

The alternative application procedure allows students to apply for open enrollment at any time during a school year if certain criteria are met. For additional information, please visit www.dpi.wi.gov and search Open Enrollment Alternative Application. Alternative applications may not be submitted before July 1 of each new school year.

Both the nonresident and resident school districts may deny an application for reasons specified in state law. If an application is denied by either the resident or nonresident school district, the parent may file an appeal with the DPI within 30 days. The DPI is required to affirm the school district's decision unless the DPI determines that the decision was arbitrary or unreasonable. The nonresident school district may deny an application if the student has been Habitually Truant or Expelled at his/her previous school district. Non Resident school districts may also deny an application based on space availability (both regular education or special education).

Parents are responsible for transportation to and from school in the nonresident school district, except that transportation required in a child's IEP must be provided by the nonresident school district. A nonresident or resident school district is permitted (but not required) to provide transportation to open enrolled students; however, the nonresident school district is prohibited from picking up or dropping off a student within the boundaries of the pupil's resident school district unless the resident school district agrees. Low-income parents may apply to the DPI for reimbursement of a portion of their transportation costs.

Habitual truancy and expulsion can limit a student's ability to open enroll and may result in termination of the student's open enrollment status.

Special Education

Special Education services are provided to students who have a special education need as defined by the Individuals with Disabilities Education Act (IDEA). Students who have an impairment and a need for Special Education are delivered services as outlined in an Individualized Education Program (IEP). Services are determined by student need, not categorical label. Decisions regarding services and programming are determined by the IEP team, which includes the student, parent(s), Special Education teachers(s), general education teacher(s), and a local education agency representative. Additional IEP team members may include the Counselor, School Psychologist, School Social Worker, Speech and Language Pathologist, or other related service providers.

Section 504 Plans

Section 504 is a federal civil rights law protecting individuals with disabilities from discrimination and addressing their rights to access education and reasonable accommodations. Under Section 504, a disability is defined as a physical or mental impairment that substantially limits one or more major life activities. Students determined to have a disability under Section 504 are eligible to receive accommodations and supports through a Section 504 Plan. The primary purpose of a 504 Plan is to give students with disabilities access to the same education as their peers.

Alternative Education Programs

Alternative Education programs support learners who have demonstrated a need for alternatives to the traditional graduation pathway. We believe that these students can prove competence, thrive, and be successful through these alternative pathways by setting high but attainable goals and expectations. HUHS offers alternative education options for students identified to be at-risk of not graduating on time. A faculty team determines a student's at-risk status based on data including credits earned and other early warning indicators such as attendance, academic skills, and life-ready skills.

Student Acceptable Use Policy

(Board Policy 7540.03)

Students are encouraged to use the District's computers/network and Internet connection for educational purposes. Use of such resources is a privilege, not a right. Students must conduct themselves in a responsible, efficient, ethical, and legal manner. Unauthorized or inappropriate use, including any violation of these guidelines, may result in cancellation of the privilege, disciplinary action consistent with the Student Handbook, and/or civil or criminal liability (see Sec. 943.70, Wis. Stat. (Computer Crimes) and Sec. 947.0125, Wis. Stat. (Unlawful Use of Computerized Communication Systems)). Prior to accessing the Internet at School, students must sign the Student Network and Internet Acceptable Use and Safety Agreement. A minor student must also have the permission of his/her parent/guardian before accessing the Internet at school.

For more information on this policy, visit the District's Board of Education Policy site - <http://go.boarddocs.com/wi/huhs/Board.nsf/goto?open&id=BNEKJR51E19C>

Instructional Materials and Textbooks

(Board Policy 2521)

The District Administrator shall develop administrative guidelines for the selection and maintenance of all textbooks, educational, and instructional materials, and equipment. In addition he/she shall periodically provide for a systematic review by the Board of the District's educational resources in order to ensure that they are appropriate for the current educational program. Any revisions that occur should be a result of the school-improvement process.

Students shall be held responsible for the cost of replacing any materials or properties which are lost or damaged through their negligence.

Cost of materials may be charged for materials used in those activities beyond the basic curriculum in which a student elects to participate, particularly in shop activities where the product becomes the property of the student.

For more information on this policy, visit the District's Board of Education Policy site - <http://go.boarddocs.com/wi/huhs/Board.nsf/goto?open&id=AG8SX3654F76>

Bring Your Own Device

(Board Policy 7542)

For purposes of this policy, "personal communication device" (PCD) includes computers, tablets (e.g., iPads and similar devices), electronic readers ("e-readers" e.g., Kindles and similar devices), mobile/cell phones, smartphones, and/or other web-enabled devices of any type.

The use of PCDs must be consistent with the established standards for appropriate use as defined in Policy 7540.03 – Student Network and Internet Acceptable Use and Safety, and Policy 7540.04 – Staff Network and Internet Acceptable Use and Safety.

Any user who violates the established standards and/or the Board's Acceptable Use policy, or who accesses the district's technology resources server and network without authorization may be prospectively denied access to the district's technology resources. If the violation is committed by a contractor, vendor, or agent of the district, the contract may be subject to cancellation. Further disciplinary action may be taken if the violation is committed by a student or employee.

The owner of a PCD bears all responsibility and assumes all risk of theft, loss, or damage to, or misuse or unauthorized use of the device while it is on district property. This provision applies to everyone, regardless of his/her affiliation or connection to the district.

For more information on this policy, visit the district's Board of Education policy site - <http://go.boarddocs.com/wi/huhs/Board.nsf/goto?open&id=AG8T6F6550D9>

Promotion and Placement

(Board Policy 5410)

The Board of Education recognizes that the personal, social, physical, and educational growth of children will vary and that they should be placed in the educational setting most appropriate to their needs at the various stages of their growth.

It shall be the policy of the Board that each student be moved forward in a continuous pattern of achievement and growth that is in harmony with his/her own development. Such pattern should coincide with the system of grade levels established by this Board and the instructional objectives established for student learning. While a student's class placement is based on year in school, the chart below lists credits needed for students to make adequate progress toward graduation.

Class of 2025/beyond

By the end of Grade 9	6 credits
By the end of Grade 10	14 credits
By the end of Grade 11	18.5 credits
By the end of Grade 12	28.5 credits

If credits earned are less than this for each year, the student will be considered credit deficient and parents will be notified.

This information shall be communicated annually to students and parents in the Student/Parent Handbook and the Course Description Book. The District Administrator shall develop administrative guidelines for promotion and placement of students which:

- A. ensure students who are falling seriously behind their peers receive the special assistance they may need to achieve the academic outcomes of the District's core curriculum;
- B. require the recommendation of the relevant staff members for promotion or placement;
- C. require that parents are informed of credit deficiency;
- D. assure that efforts are made to remediate the student's deficiencies.

For more information on this policy, visit the district's Board of Education policy site -

<https://go.boarddocs.com/wi/huhs/Board.nsf/public#>