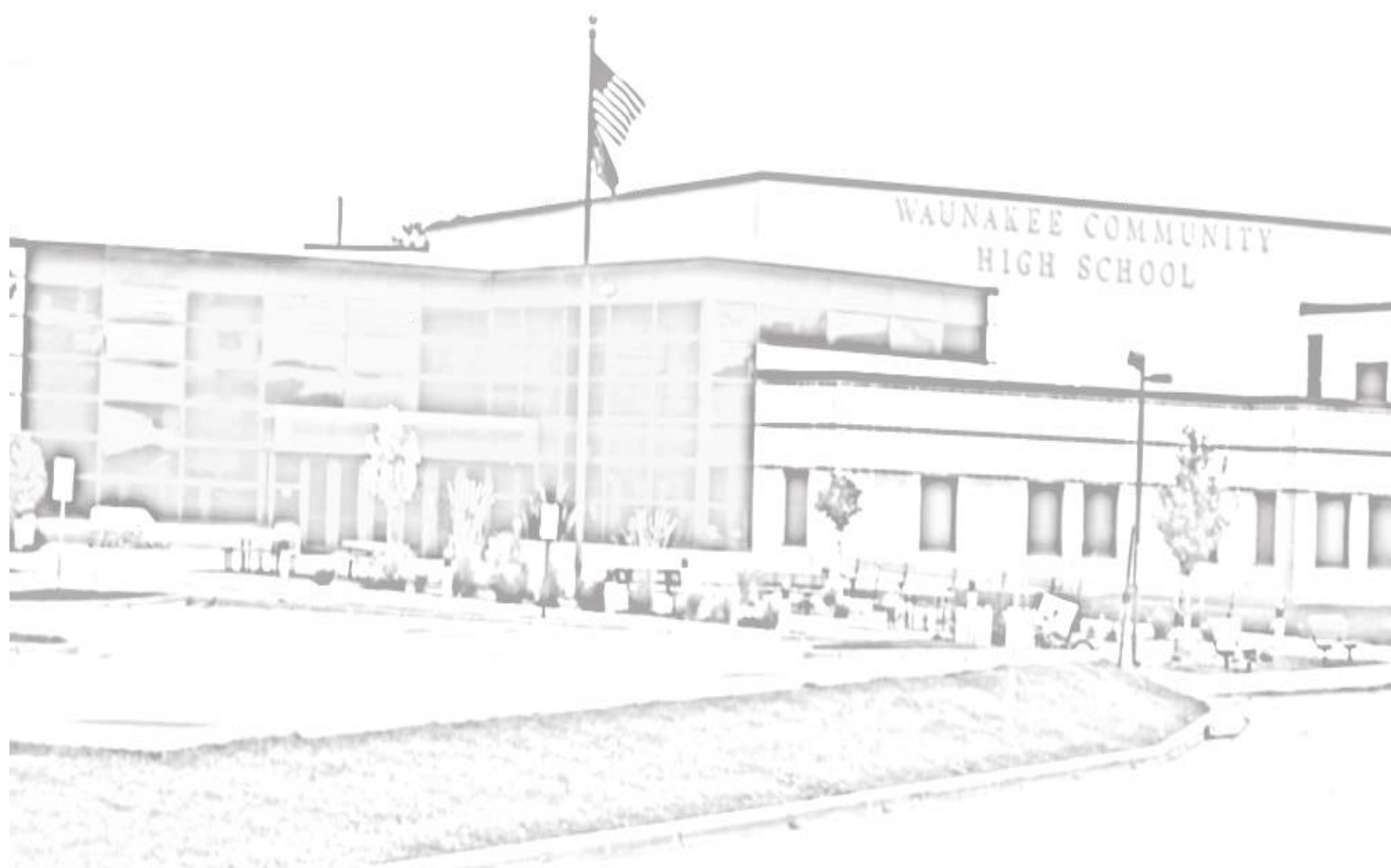


WAUNAKEE COMMUNITY HIGH SCHOOL



2022-2023
Academic & Career Planning
Course Guide

ACADEMIC & CAREER PLANNING COURSE GUIDE

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WHS Programs of Study

- | | |
|---|--|
| Agriculture, Food & Natural Resources | Hospitality & Tourism |
| Architecture & Construction | Human Services |
| Arts, A/V Technology & Communications | Information Technology |
| Business Management & Administration | Law, Public Safety, Corrections & Security |
| Education & Training | Manufacturing |
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The Waunakee Community School District does not discriminate against pupils on the basis of sex, race, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap in its educational programs or activities.

PRINCIPAL'S WELCOME

Dear Student and Parents:

The Career Planning and Course Guide:

This guide provides information that will help students choose classes for next school year. Selecting the appropriate classes for each student is important as it may impact a student's grade point average, eligibility to enroll in higher level courses, college admissions qualifications, athletic eligibility, and career preparedness.

My hope is that this guide provides you with helpful information that will assist in the planning process.

What Students and Parents Need to Discuss:

- What are the student's interests?
- What skills does the student possess that may develop into a career path?
- What challenges does the student possess that may impact future goals?
- What standard of living, lifestyle, and work environment is most appealing for the student?
- Will the student attend a university, technical college, an apprenticeship program, the military, or prepare for a career directly upon graduation?
- What financial considerations need to be a part of post-high school decisions?

Regardless of the student's post-high school goal, it is recommended that a student challenge themselves through appropriately rigorous coursework while maintaining a high level of academic achievement. Keeping options open as future plans change is best obtained through a high level of student preparedness.

Who Can Help?

For questions regarding specific courses, contact the teachers. For more generalized questions, the school counselors are assigned by student's last name and listed below.

School Counselors

Melissa Bacher
Megan Bunkleman
Mark Landis
Sarah Stimart

School to Career Coordinator

Michelle McGlynn

Thank you for your active involvement in the registration process. I look forward to a great school year for every WHS student!

Sincerely,

Mr. Brian Borowski
WHS Principal

WAUNAKEE COURSE REGISTRATION INFORMATION

MINIMUM CREDIT LOAD

All WHS Students are required to register for 3.0 credits* per semester unless otherwise defined by administration, IEP, or 504 Plan. *Teacher Assistant (TA) does NOT count toward a student's required 3.0 credit load per semester.

SCHEDULE CHANGES

Students will only be granted a schedule change request if one or more of the following criteria are met, and require the approval of parent and building principal:

- Graduation requirement (Grade 12 only)
- College admission requirement (Grades 11-12 only)
- Career pathways requirement
- Failure/Class repeat (Grades 10-12 only)
- Work based learning approved program and release (Grades 11-12 only)
- Enrollment in an incorrect course "level"
- Documented medical circumstances

DROPPING A CLASS

A student may drop a course, without penalty, within the first seven (7) class periods of the semester, as long as it does not put the student below a full-time schedule of 3.0 credits*. Any course dropped after the seventh (7th) class period will be included on the student transcript with a W (withdrawal with a passing grade) or a WF (withdrawal with a failing grade). The specific notation will be at the discretion of the teacher and high school administration. Students are encouraged to carefully consider their course options prior to registration. For seniors: schedule change requests for academic courses must obtain prior approval from any colleges that have a submitted application. *Teacher Assistant (TA) does NOT count toward a student's required 3.0 credit load per semester.

REPEATING A CLASS ([Waunakee BOE Policy 345.5](#))

Classes may be retaken for credit with the approval of the high school principal when the grade for the class the first time it was taken was a failure. All classes taken will appear on the student's transcript and be utilized in computing the student's grade point average. The high school principal should use discretion in determining whether a student may retake a class. Classes are not to be retaken simply to improve the grade point average or class standing.

COURSES COMPLETED OUTSIDE OF WAUNAKEE HIGH SCHOOL

All coursework taken outside of WHS must be approved in advance of starting the class, please see your school counselor, School to Career Coordinator, or Pathways Coordinator (Pathway students) for appropriate paperwork.

EARLY GRADUATION ([Waunakee BOE Policy 345.8](#))

The Board of Education acknowledges that some students are pursuing educational goals which include graduation from high school at an earlier date than their designated class. An application for early graduation must be submitted to the high school principal in accordance with school regulations. The principal may honor this request if all conditions for graduation are met and the student fulfills the graduation requirements. If a decision is made to deny the early graduation request, the student or parent/guardian may appeal the decision to the Superintendent, whose decision shall be final. The student may participate in the graduation ceremonies with his/her designated class.

JUNIOR/SENIOR RESPONSIBILITY RELEASE PROGRAM ([Waunakee Student Handbook, pages 19-20](#))

Students in good standing may substitute a release period for a study hall. Criteria for release are based on a review of academic grades, attendance, and behavior data.

2022-2023 WAUNAKEE HIGH SCHOOL COURSE REQUEST SHEET - GRADE 09

KEY: **S1** (offered Semester 1) -- **S2** (offered Semester 2) -- **YEAR** (year-long course) -- **N** (NCAA Approved Course)

Students/Parents: Please highlight requested courses or fill out the Schedule Planner

Student Name:

AGRICULTURE EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
AGR1022	0.5	Intro to Agriculture		X		
AGR1011	0.5	Natural Resources I	X			
AGR1082	0.5	Small Animal & Pet Care		X		
ART EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
ART1011/2	0.5	Elements of Art 2D	X	X		
ART1021/2	0.5	Elements of Art 3D	X	X		
ART1032	0.5	Graphic Design		X		
BUSINESS & INFO TECH AND MARKETING EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
BUS1011/2	0.5	Dollars & Sense	X	X		
BUS1042	0.5	MS Office Advanced		X		
BUS1031/2	0.5	MS Office Basics	X	X		
COMMUNICATION ARTS						
Course #	Credit	Course Name	S1	S2	YEAR	N
ENG1021-2	1.0	Advanced English 9			X	X
ENG1011-2	1.0	English 9			X	X
COMPUTER SCIENCE						
Course #	Credit	Course Name	S1	S2	YEAR	N
CSC1011/2	0.5	Computational Thinking	X	X		
CSC1022	0.5	Game Design		X		
FAMILY & CONSUMER SCIENCES						
Course #	Credit	Course Name	S1	S2	YEAR	N
FCS1011/2	0.5	Culinary Arts I	X	X		
FCS1022	0.5	Fashion & Fabrics		X		
HEALTH AND HEALTH SCIENCE EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
HLT1021/2	0.5	Foundations of Health Care Delivery	X	X		
HLT1011/2	0.5	Health Science Occupations	X	X		
MATHEMATICS						
Course #	Credit	Course Name	S1	S2	YEAR	N
MAT1011-2	1.0	Algebra I			X	X
MAT2011-2	1.0	Advanced Algebra			X	X
MAT1021-2	1.0	Geometry			X	X
MUSIC						
Course #	Credit	Course Name	S1	S2	YEAR	N
MUS1111-2	1.0	Chorale			X	
MUS1011-2	1.0	Concert Band			X	
MUS1311	0.5	Jazz Improvisation	X			
MUS1322	0.5	Music History		X		
MUS1211-2	1.0	Philharmonic Orchestra			X	
PHYSICAL EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
PHY1011/2	0.5	Intro to Physical Education	X	X		
SCIENCE						
Course #	Credit	Course Name	S1	S2	YEAR	N
SCI1011-2	1.0	Biology			X	X
SCI1021-2	1.0	Principles of Biomedical Science			X	X

SOCIAL STUDIES						
Course #	Credit	Course Name	S1	S2	YEAR	N
SST1011-2	1.0	World History			X	X
TECHNOLOGY & ENGINEERING EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
TEE1052	0.5	Big IDEA		X		
TEE1041/2	0.5	IDEA (Innovation, Design, Engineering, Art)	X	X		
TEE1011-2	1.0	Intro to Engineering Design			X	
TEE1021	0.5	Intro to Industrial Technology	X			
TEE1032	0.5	Intro to Industrial Technology		X		
TEE1081	0.5	Woods I: Fine Wood Working	X			
TEE1101-2	1.0	Yearbook			X	
WORLD LANGUAGE						
Course #	Credit	Course Name	S1	S2	YEAR	N
WLA1111-2	1.0	French I			X	X
WLA1121-2	1.0	French II			X	X
WLA1211-2	1.0	Mandarin Chinese I			X	X
WLA1221-2	1.0	Mandarin Chinese II			X	X
WLA1011-2	1.0	Spanish I			X	X
WLA1021-2	1.0	Spanish II			X	X
WLA1031-2	1.0	Spanish III			X	X
WLA1041-2	1.0	Spanish for Heritage Speakers			X	X

BY RECOMMENDATION ONLY

OTH0001-2	1.0	Active Learning			X	
ENG0021-2	1.0	Reading/Writing Workshop			X	
Varies	1.0	Math Workshop			X	

Schedule Planner (Be sure to fill in year-long courses across both semesters)

SEMESTER 1			SEMESTER 2		
1	English 9/Adv English 9	REQ	1	English 9/Adv English 9	REQ
2	World History	REQ	2	World History	REQ
3	Biology	REQ	3	Biology	REQ
4	Alg/Geometry/Adv Alg	REQ	4	Alg/Geometry/Adv Alg	REQ
5 Intro to Phy Ed or Elective			5 Intro to Phy Ed or Elective		
6 Elective			6 Elective		
7 Elective			7 Elective		
8 Study Hall			8 Study Hall		
ALTERNATE:			ALTERNATE:		
ALTERNATE:			ALTERNATE:		

2022-2023 WAUNAKEE HIGH SCHOOL COURSE REQUEST SHEET - GRADE 10

KEY: **S1** (offered Semester 1) -- **S2** (offered Semester 2) -- **YEAR** (year-long course) -- **N** (NCAA Approved Course)

Students/Parents: Please highlight requested courses or fill out the Schedule Planner on the following page

Student Name:

AGRICULTURE EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
AGR2021	0.5	Agriculture Machinery & Buildings	X			
AGR2031	0.5	Animal Science (ES)	X			
AGR2042	0.5	Food Science		X		
AGR2062	0.5	Livestock & Equine Management		X		
AGR1011	0.5	Natural Resources I	X			
AGR2011	0.5	Natural Resources II	X			
AGR1082	0.5	Small Animal & Pet Care		X		
AGR2092	0.5	Veterinary Science (ES)		X		
ART EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
ART2042	0.5	3D Computer Animation		X		
ART5001/2	0.25	Art Lab Assistant	X	X		
ART2061	0.5	Art Metals	X			
ART2071	0.5	Ceramics	X			
ART2092	0.5	Drawing & Printmaking		X		
ART1011/2	0.5	Elements of Art 2D	X	X		
ART1021/2	0.5	Elements of Art 3D	X	X		
ART1032	0.5	Graphic Design		X		
ART2081	0.5	Painting	X			
ART2102	0.5	Photography		X		
ART2031	0.5	Photoshop	X			
ART2052	0.5	Textiles		X		
BUSINESS & INFO TECH AND MARKETING EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
BUS2011-2	1.0	Accounting			X	
BUS2041/51/62/72	0.25	Career Workshop	X	X		
BUS1011/2	0.5	Dollars & Sense	X	X		
BUS2021-2	1.0	Marketing 1			X	
BUS2032	0.5	MS Excel & Access		X		
BUS1042	0.5	MS Office Advanced		X		
BUS1031/2	0.5	MS Office Basics	X	X		
BUS2092	0.5	Web Design		X		
COMMUNICATION ARTS						
Course #	Credit	Course Name	S1	S2	YEAR	N
ENG2021-2	1.0	Advanced English 10			X	X
ENG2011-2	1.0	English 10			X	X
COMPUTER SCIENCE						
Course #	Credit	Course Name	S1	S2	YEAR	N
CSC1011/2	0.5	Computational Thinking	X	X		
CSC2011/2	0.5	Computer Science I	X	X		
CSC2022	0.5	Computer Science II		X		
CSC1022	0.5	Game Design		X		

COMPUTER SCIENCE – CONTINUED						
CSC2031	0.5	IT Essentials	X			
FAMILY & CONSUMER SCIENCES						
Course #	Credit	Course Name	S1	S2	YEAR	N
FCS2111/2	0.5	Baking & Pastry Arts	X	X		
FCS2101	0.5	Child Care I	X			
FCS2022	0.5	Creative Fashions		X		
FCS1011/2	0.5	Culinary Arts I	X	X		
FCS2012	0.5	Culinary Arts II		X		
FCS1022	0.5	Fashion & Fabrics		X		
FCS2032	0.5	Interiors & Housing Services		X		
HEALTH AND HEALTH SCIENCE EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
HLT1021/2	0.5	Foundations of Health Care Delivery	X	X		
HLT2041/51/62/72	0.25	Health & Wellness	X	X		
HLT1011/2	0.5	Health Science Occupations	X	X		
HLT2021/2	0.5	Medical Terminology	X	X		
MATHEMATICS						
Course #	Credit	Course Name	S1	S2	YEAR	N
MAT1011-2	1.0	Algebra I			X	X
MAT2011-2	1.0	Advanced Algebra			X	X
MAT3011-2	1.0	Functions, Statistics & Trigonometry			X	X
MAT3021-2	1.0	FST/Pre-Calculus (APPLICATION REQ'D)			X	X
MAT1021-2	1.0	Geometry			X	X
MUSIC						
Course #	Credit	Course Name	S1	S2	YEAR	N
MUS2011-2	1.0	Band			X	
MUS1111-2	1.0	Chorale			X	
MUS2131-2	1.0	Concert Choir			X	
MUS1311	0.5	Jazz Improvisation	X			
MUS1322	0.5	Music History		X		
MUS2311	0.5	Music Theory & Composition	X			
MUS1211-2	1.0	Philharmonic Orchestra			X	
PHYSICAL EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
PHY1011/2	0.5	Intro to Physical Education	X	X		
PHY2062	0.5	Lifeguard Certification		X		
PHY2041/2	0.5	Lifetime Individual Activities	X	X		
PHY2051/2	0.5	Lifetime Team Activities	X	X		
PHY2021/2	0.5	Strength & Conditioning	X	X		
PHY2031/2	0.5	Strength & Conditioning II	X	X		

2022-2023 WAUNAKEE HIGH SCHOOL COURSE REQUEST SHEET - GRADE 10

KEY: **S1** (offered Semester 1) -- **S2** (offered Semester 2) -- **YEAR** (year-long course) -- **N** (NCAA Approved Course)

Students/Parents: Please highlight requested courses or fill out the Schedule Planner

SCIENCE						
Course #	Credit	Course Name	S1	S2	YEAR	N
SCI2071	0.5	Biotech Career Apps	X			
SCI2082	0.5	Biotechnology		X		X
SCI2022	0.5	Chemical World		X		X
SCI2031-2	1.0	Chemistry			X	X
SCI2062	0.5	Geology		X		X
SCI2041/2	0.5	Intro to Astronomy	X	X		X
SCI2011	0.5	Physical World	X			X
SCI1021-2	1.0	Principles of Biomedical Science			X	X
SCI2051/2	0.5	Weather & Climate	X	X		X
SOCIAL STUDIES						
Course #	Credit	Course Name	S1	S2	YEAR	N
SST2021-2	1.0	AP US History			X	X
SST2031/2	0.5	Issues in Psychology	X	X		X
SST2071	0.5	Social Problems	X			X
SST2042	0.5	Sociology		X		X
SST2011-2	1.0	US History			X	X
TECHNOLOGY & ENGINEERING EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
TEE2012	0.5	Architectural Drafting		X		
TEE2062	0.5	Basic Home & Auto Maintenance		X		
TEE1051/2	0.5	Big IDEA	X	X		
TEE2031	0.5	Construction I	X			
TEE2132	0.5	Construction II		X		
TEE2071-2	1.0	Digital Electronics			X	
TEE1041/2	0.5	IDEA (Innovation, Design, Engineering, Art)	X	X		
TEE1011-2	1.0	Intro to Engineering Design			X	
TEE1021	0.5	Intro to Industrial Technology	X			
TEE1032	0.5	Intro to Industrial Technology		X		
TEE2142	0.5	Metal Fabrication		X		
TEE2041	0.5	Metal Technology	X			
TEE2051	0.5	Small Engine Technology	X			
TEE2102	0.5	Welding		X		
TEE1081	0.5	Woods I: Fine Wood Working	X			
TEE2082	0.5	Woods II: Advanced Furniture Theory		X		
TEE1101-2	1.0	Yearbook			X	

WORLD LANGUAGE						
Course #	Credit	Course Name	S1	S2	YEAR	N
WLA1111-2	1.0	French I			X	X
WLA1121-2	1.0	French II			X	X
WLA2111-2	1.0	French III			X	X
WLA2021-2	1.0	Int Spanish for Proficiency			X	
WLA1211-2	1.0	Mandarin Chinese I			X	X
WLA1221-2	1.0	Mandarin Chinese II			X	X
WLA2211-2	1.0	Mandarin Chinese III			X	X
WLA1011-2	1.0	Spanish I			X	X
WLA1021-2	1.0	Spanish II			X	X
WLA1031-2	1.0	Spanish III			X	X
WLA2011-2	1.0	Spanish IV			X	X
WLA1041-2	1.0	Spanish for Heritage Speakers			X	X

Schedule Planner (Be sure to fill in year-long courses across both semesters)

SEMESTER 1	SEMESTER 2
1 English 10 or Adv English 10 <i>REQ</i>	1 English 10 or Adv English 10 <i>REQ</i>
2 US History or AP US History <i>REQ</i>	2 US History or AP US History <i>REQ</i>
3	3
4	4
5	5
6	6
7	7
8	8
ALTERNATE	ALTERNATE
ALTERNATE	ALTERNATE

2022-2023 WAUNAKEE HIGH SCHOOL COURSE REQUEST SHEET - GRADE 11

KEY: **S1** (offered Semester 1) -- **S2** (offered Semester 2) -- **YEAR** (year-long course) -- **N** (NCAA Approved Course) -- **#** (Fulfills a College Lit Requirement)

Students/Parents: Please highlight requested courses or fill out the Schedule Planner on the following page

Student Name:

AGRICULTURE EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
AGR2021	0.5	Agriculture Machinery & Buildings	X			
AGR3011	0.5	Agricultural Business	X			
AGR2031	0.5	Animal Science (ES)	X			
AGR2042	0.5	Food Science		X		
AGR2062	0.5	Livestock & Equine Management		X		
AGR2011	0.5	Natural Resources II	X			
AGR2092	0.5	Veterinary Science (ES)		X		
ART EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
ART2042	0.5	3-D Computer Animation		X		
ART3042	0.5	3-D Computer Animation II		X		
ART3091	0.5	Advanced 2D Art	X			
ART3102	0.5	Advanced 3D Art		X		
ART5001/2	0.25	Art Lab Assistant	X	X		
ART2061	0.5	Art Metals	X			
ART2071	0.5	Ceramics	X			
ART2092	0.5	Drawing & Printmaking		X		
ART1011/2	0.5	Elements of Art 2D	X	X		
ART1021/2	0.5	Elements of Art 3D	X	X		
ART1032	0.5	Graphic Design		X		
ART2081	0.5	Painting	X			
ART2102	0.5	Photography		X		
ART2031	0.5	Photoshop	X			
ART3031	0.5	Photoshop II	X			
ART2052	0.5	Textiles		X		
BUSINESS & INFO TECH AND MARKETING EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
BUS2011-2	1.0	Accounting			X	
BUS3011-2	1.0	Advanced Accounting			X	
BUS3031	0.5	Concepts of Entrepreneurship	X			
BUS1011/2	0.5	Dollars & Sense	X	X		
BUS3051	0.5	Global Business	X			
BUS3041	0.5	Management & Ethics	X			
BUS2021-2	1.0	Marketing 1			X	
BUS3021-2	1.0	Marketing 2			X	
BUS2032	0.5	MS Excel & Access		X		
BUS1042	0.5	MS Office Advanced		X		
BUS1031/2	0.5	MS Office Basics	X	X		
BUS3091	0.5	Video Editing & Digital Design	X			
BUS2092	0.5	Web Design		X		
COMMUNICATION ARTS						
Course #	Credit	Course Name	S1	S2	YEAR	N
ENG3121	0.5	Advanced Composition	X			X
ENG3112	0.5	Advanced Creative Writing		X		X
ENG3051-2	1.0	AP English Language & Composition			X	X
ENG3022	0.5	American Literature #		X		X
ENG3101/2	0.5	Creative Writing	X	X		X
ENG3231/2	0.5	Digital Communications	X	X		
ENG3061	0.5	Dramatic Literature #	X			X
ENG3222	0.5	Mass Media		X		X

ENG3011	0.5	Modern Literature #	X			X
ENG3072	0.5	Multicultural Literature #		X		X
ENG3212	0.5	Persuasion & Debate		X		X
ENG3032	0.5	Science Fiction Literature #		X		X
ENG3201	0.5	Speech	X			X
ENG3041	0.5	Women's Literature #	X			X
COMPUTER SCIENCE						
Course #	Credit	Course Name	S1	S2	YEAR	N
CSC3011-2	1.0	AP Computer Science A			X	
CSC1011/2	0.5	Computational Thinking	X	X		
CSC2011/2	0.5	Computer Science I	X	X		
CSC2022	0.5	Computer Science II		X		
CSC1022	0.5	Game Design		X		
CSC2031	0.5	IT Essentials	X			
FAMILY & CONSUMER SCIENCES						
Course #	Credit	Course Name	S1	S2	YEAR	N
FCS2111/2	0.5	Baking & Pastry Arts	X	X		
FCS2101	0.5	Child Care I	X			
FCS3102	0.5	Child Care II		X		
FCS2022	0.5	Creative Fashions		X		
FCS1011/2	0.5	Culinary Arts I	X	X		
FCS2012	0.5	Culinary Arts II		X		
FCS3011-2	1.0	Culinary Arts III			X	
FCS1022	0.5	Fashion & Fabrics		X		
FCS2032	0.5	Interiors & Housing Services		X		
HEALTH AND HEALTH SCIENCE EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
HLT3031/2	0.5	Advanced Health	X	X		
HLT1021/2	0.5	Foundations in Health Care Delivery	X	X		
HLT1011/2	0.5	Health Science Occupations	X	X		
HLT2021/2	0.5	Medical Terminology	X	X		
MATHEMATICS						
Course #	Credit	Course Name	S1	S2	YEAR	N
MAT2011-2	1.0	Advanced Algebra			X	X
MAT3031-2	1.0	AP Statistics			X	X
MAT3011-2	1.0	Functions, Statistics & Trigonometry			X	X
MAT3021-2	1.0	FST/Pre-Calculus (APPLICATION REQ'D)			X	X
MAT1021-2	1.0	Geometry			X	X
MAT3052	0.5	Intro to Discrete Math		X		X
MAT3041	0.5	Intro to Statistics	X			X
MAT4021-2	1.0	Pre-Calculus			X	X
MUSIC						
Course #	Credit	Course Name	S1	S2	YEAR	N
MUS2011-2	1.0	Band			X	
MUS1111-2	1.0	Chorale			X	
MUS2131-2	1.0	Concert Choir			X	
MUS1311	0.5	Jazz Improvisation	X			
MUS1322	0.5	Music History		X		
MUS2311	0.5	Music Theory & Composition	X			
MUS3121-2	1.0	Sonoro			X	
MUS2211-2	1.0	Symphony Orchestra			X	

2022-2023 WAUNAKEE HIGH SCHOOL COURSE REQUEST SHEET - GRADE 11

KEY: **S1** (offered Semester 1) -- **S2** (offered Semester 2) -- **YEAR** (year-long course) -- **N** (NCAA Approved Course) -- **#** (Fulfills a College Lit Requirement)

Students/Parents: Please highlight requested courses or fill out the Schedule Planner

PHYSICAL EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
PHY3011/2	0.5	Advanced Fitness	X	X		
PHY2062	0.5	Lifeguard Certification		X		
PHY2041/2	0.5	Lifetime Individual Activities	X	X		
PHY2051/2	0.5	Lifetime Team Activities	X	X		
PHY2021/2	0.5	Strength & Conditioning	X	X		
PHY2031/2	0.5	Strength & Conditioning II	X	X		
SCHOOL TO CAREER (listed under Activities, will not take space in your block schedule)						
Course #	Credit	Course Name	S1	S2	YEAR	N
STC4101/2	0.5	Employability Skills	X	X		
STC3131-2	1.0	Future Educator Internship			X	
STCxxxx	1.0	State Certified Co-Op			X	
YAPxxxx	1.0	Youth Apprenticeship			X	
SCIENCE						
Course #	Credit	Course Name	S1	S2	YEAR	N
SCI3011-2	1.0	AP Biology			X	X
SCI3031-2	1.0	AP Chemistry			X	X
SCI2071	0.5	Biotech Career Apps	X			
SCI2082	0.5	Biotechnology		X		X
SCI2022	0.5	Chemical World		X		X
SCI2031-2	1.0	Chemistry			X	X
SCI3051	0.5	Ecology: Ecosystems of So. WI	X			X
SCI3062	0.5	Ecology: Environment & You		X		X
SCI2062	0.5	Geology		X		X
SCI3081	0.5	Human Anatomy & Physiology I	X			X
SCI3092	0.5	Human Anatomy & Physiology II		X		X
SCI2041/2	0.5	Intro to Astronomy	X	X		X
SCI2011	0.5	Physical World	X			X
SCI3021-2	1.0	Physics			X	X
*See TEE3011-2		Principles of Engineering (ES)			X	X
SCI2051/2	0.5	Weather & Climate	X	X		X
SOCIAL STUDIES						
Course #	Credit	Course Name	S1	S2	YEAR	N
SST3041	0.5	America in Conflict-US Military History	X			X
SST3051-2	1.0	AP European History			X	X
SST3121	0.5	AP Macroeconomics	X			X
SST3031-2	1.0	AP Psychology				X
SST2021-2	1.0	AP US History				X
SST3021	0.5	Economics	X			X
SST3002	0.5	Exploring Wisconsin		X		X
SST2031/2	0.5	Issues in Psychology	X	X		X
SST2071	0.5	Social Problems	X			X
SST2042	0.5	Sociology		X		X
SST3071/2	0.5	Sports Psychology	X	X		
TECHNOLOGY & ENGINEERING EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
TEE2012	0.5	Architectural Drafting		X		
TEE3062	0.5	Auto Mechanics		X		
TEE2062	0.5	Basic Home & Auto Maintenance		X		
TEE1051/2	0.5	Big IDEA	X	X		

TEE2031	0.5	Construction I	X			
TEE2132	0.5	Construction II		X		
TEE3031	1.0	Construction III (2 consecutive blocks)	X			
TEE2071-2	1.0	Digital Electronics			X	
TEE1041/2	0.5	IDEA (Innovation, Design, Engineering, Art)	X	X		
TEE1101-2	1.0	Intro to Engineering Design			X	
TEE1021	0.5	Intro to Industrial Technology	X			
TEE1032	0.5	Intro to Industrial Technology		X		
TEE2142	0.5	Metal Fabrication		X		
TEE2041	0.5	Metal Technology	X			
TEE3011-2	1.0	Principles of Engineering (ES)			X	X
TEE2051	0.5	Small Engine Technology	X			
TEE2102	0.5	Welding		X		
TEE1081	0.5	Woods I: Fine Wood Working	X			
TEE2082	0.5	Woods II: Advanced Furniture Theory		X		
TEE1101-2	1.0	Yearbook			X	
WORLD LANGUAGE						
Course #	Credit	Course Name	S1	S2	YEAR	N
WLA1111-2	1.0	French I			X	X
WLA1121-2	1.0	French II			X	X
WLA2111-2	1.0	French III			X	X
WLA3111-2	1.0	French IV			X	X
WLA3121-2	1.0	Int French for Proficiency			X	
WLA2021-2	1.0	Int Spanish for Proficiency			X	
WLA1211-2	1.0	Mandarin Chinese I			X	X
WLA1221-2	1.0	Mandarin Chinese II			X	X
WLA2211-2	1.0	Mandarin Chinese III			X	X
WLA3211-2	1.0	Mandarin Chinese IV			X	X
WLA1011-2	1.0	Spanish I			X	X
WLA1021-2	1.0	Spanish II			X	X
WLA1031-2	1.0	Spanish III			X	X
WLA2011-2	1.0	Spanish IV			X	X
WLA3011-2	1.0	Spanish V			X	X
WLA1041-2	1.0	Spanish for Heritage Speakers			X	X

Schedule Planner (Be sure to fill in year-long courses across both semesters)

SEMESTER 1	SEMESTER 2
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
ALTERNATE	ALTERNATE
ALTERNATE	ALTERNATE

2022-2023 WAUNAKEE HIGH SCHOOL COURSE REQUEST SHEET - GRADE 12

KEY: **S1** (offered Semester 1) -- **S2** (offered Semester 2) -- **YEAR** (year-long course) -- **N** (NCAA Approved Course) -- **#** (Fulfills a College Lit Requirement)
Students/Parents: Please highlight requested courses or fill out the Schedule Planner on the following page

Student Name:

AGRICULTURE EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
AGR2021	0.5	Agriculture Machinery & Buildings	X			
AGR3011	0.5	Agricultural Business	X			
AGR2031	0.5	Animal Science (ES)	X			
AGR2042	0.5	Food Science		X		
AGR2062	0.5	Livestock & Equine Management		X		
AGR2011	0.5	Natural Resources II	X			
AGR2092	0.5	Veterinary Science (ES)		X		
ART EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
ART2042	0.5	3-D Computer Animation		X		
ART3042	0.5	3-D Computer Animation II		X		
ART3091	0.5	Advanced 2D Art	X			
ART3102	0.5	Advanced 3D Art		X		
ART4012	0.5	Advanced Art Workshop		X		
ART5001/2	0.25	Art Lab Assistant	X	X		
ART2061	0.5	Art Metals	X			
ART2071	0.5	Ceramics	X			
ART2092	0.5	Drawing & Printmaking		X		
ART1011/2	0.5	Elements of Art 2D	X	X		
ART1021/2	0.5	Elements of Art 3D	X	X		
ART1032	0.5	Graphic Design		X		
ART2081	0.5	Painting	X			
ART2102	0.5	Photography		X		
ART2031	0.5	Photoshop	X			
ART3031	0.5	Photoshop II	X			
ART2052	0.5	Textiles		X		
BUSINESS & INFO TECH AND MARKETING EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
BUS2011-2	1.0	Accounting			X	
BUS3011-2	1.0	Advanced Accounting			X	
BUS3031	0.5	Concepts of Entrepreneurship	X			
BUS1011/2	0.5	Dollars & Sense	X	X		
BUS3051	0.5	Global Business	X			
BUS3041	0.5	Management & Ethics	X			
BUS2021-2	1.0	Marketing 1			X	
BUS3021-2	1.0	Marketing 2			X	
BUS2032	0.5	MS Excel & Access		X		
BUS1042	0.5	MS Office Advanced		X		
BUS1031/2	0.5	MS Office Basics	X	X		
BUS4012	0.5	Sports & Entertainment Marketing		X		
BUS3091	0.5	Video Editing & Digital Design	X			
BUS2092	0.5	Web Design		X		
COMMUNICATION ARTS						
Course #	Credit	Course Name	S1	S2	YEAR	N
ENG3121	0.5	Advanced Composition	X			X
ENG3112	0.5	Advanced Creative Writing		X		X
ENG4021-2	1.0	AP English Literature & Composition #			X	X
ENG3022	0.5	American Literature #		X		X
ENG3101/2	0.5	Creative Writing	X	X		X
ENG3231/2	0.5	Digital Communications	X	X		
ENG3061	0.5	Dramatic Literature #	X			X
ENG3222	0.5	Mass Media		X		X

ENG3011	0.5	Modern Literature #	X			X
ENG3072	0.5	Multicultural Literature #		X		X
ENG3212	0.5	Persuasion & Debate		X		X
ENG3032	0.5	Science Fiction Literature #		X		X
ENG3201	0.5	Speech	X			X
ENG3041	0.5	Women's Literature #	X			X
COMPUTER SCIENCE						
Course #	Credit	Course Name	S1	S2	YEAR	N
CSC3011-2	1.0	AP Computer Science A			X	
CSC1011/2	0.5	Computational Thinking	X	X		
CSC2011/2	0.5	Computer Science I	X	X		
CSC2022	0.5	Computer Science II		X		
CSC1022	0.5	Game Design		X		
CSC2031	0.5	IT Essentials	X			
FAMILY & CONSUMER SCIENCES						
Course #	Credit	Course Name	S1	S2	YEAR	N
FCS2111/2	0.5	Baking & Pastry Arts	X	X		
FCS2101	0.5	Child Care I	X			
FCS3102	0.5	Child Care II		X		
FCS2022	0.5	Creative Fashions		X		
FCS1011/2	0.5	Culinary Arts I	X	X		
FCS2012	0.5	Culinary Arts II		X		
FCS3011-2	1.0	Culinary Arts III			X	
FCS1022	0.5	Fashion & Fabrics		X		
FCS2032	0.5	Interiors & Housing Services		X		
FCS4201	0.5	Personal Relationships	X			
HEALTH AND HEALTH SCIENCE EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
HLT3031/2	0.5	Advanced Health	X	X		
HLT1021/2	0.5	Foundations in Health Care Delivery	X	X		
HLT1011/2	0.5	Health Science Occupations	X	X		
HLT2021/2	0.5	Medical Terminology	X	X		
MATHEMATICS						
Course #	Credit	Course Name	S1	S2	YEAR	N
MAT2011-2	1.0	Advanced Algebra			X	X
MAT4031-2	1.0	AP Calculus AB			X	X
MAT4041-2	1.0	AP Calculus BC			X	X
MAT3031-2	1.0	AP Statistics			X	X
MAT3011-2	1.0	Functions, Statistics & Trigonometry			X	X
MAT3052	0.5	Intro to Discrete Math		X		X
MAT3041	0.5	Intro to Statistics	X			X
MAT4021-2	1.0	Pre-Calculus			X	X
MAT4001-2	1.0	Senior Mathematical Reasoning			X	
MUSIC						
Course #	Credit	Course Name	S1	S2	YEAR	N
MUS2011-2	1.0	Band			X	
MUS1111-2	1.0	Chorale			X	
MUS2131-2	1.0	Concert Choir			X	
MUS1311	0.5	Jazz Improvisation	X			
MUS1322	0.5	Music History		X		
MUS2311	0.5	Music Theory & Composition	X			
MUS3121-2	1.0	Sonoro			X	
MUS2211-2	1.0	Symphony Orchestra			X	

2022-2023 WAUNAKEE HIGH SCHOOL COURSE REQUEST SHEET - GRADE 12

KEY: **S1** (offered Semester 1) -- **S2** (offered Semester 2) -- **YEAR** (year-long course) -- **N** (NCAA Approved Course) -- **#** (Fulfills a College Lit Requirement)
Students/Parents: Please highlight requested courses or fill out the Schedule Planner

PHYSICAL EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
PHY3011/2	0.5	Advanced Fitness	X	X		
PHY2062	0.5	Lifeguard Certification		X		
PHY2041/2	0.5	Lifetime Individual Activities	X	X		
PHY2051/2	0.5	Lifetime Team Activities	X	X		
PHY2021/2	0.5	Strength & Conditioning	X	X		
PHY2031/2	0.5	Strength & Conditioning II	X	X		
SCHOOL TO CAREER (listed under Activities, will not take space in your block schedule)						
Course #	Credit	Course Name	S1	S2	YEAR	N
STC4101/2	0.5	Employability Skills	X	X		
STC3131-2	1.0	Future Educator Internship			X	
STCxxxx	1.0	State Certified Co-Op			X	
YAPxxxx	1.0	Youth Apprenticeship			X	
SCIENCE						
Course #	Credit	Course Name	S1	S2	YEAR	N
SCI3011-2	1.0	AP Biology			X	X
SCI3031-2	1.0	AP Chemistry			X	X
SCI2071	0.5	Biotech Career Apps	X			
SCI2082	0.5	Biotechnology		X		X
SCI2022	0.5	Chemical World		X		X
SCI2031-2	1.0	Chemistry			X	X
SCI3051	0.5	Ecology: Ecosystems of So. WI	X			X
SCI3062	0.5	Ecology: Environment & You		X		X
SCI2062	0.5	Geology		X		X
SCI3081	0.5	Human Anatomy & Physiology I	X			X
SCI3092	0.5	Human Anatomy & Physiology II		X		X
SCI2041/2	0.5	Intro to Astronomy	X	X		X
SCI2011	0.5	Physical World	X			X
SCI3021-2	1.0	Physics			X	X
SCI4011	0.5	Physics II	X			X
SCI4022	0.5	Physics II		X		X
See TEE3011-2		Principles of Engineering (ES)			X	X
SCI2051/2	0.5	Weather & Climate	X	X		X
SOCIAL STUDIES						
Course #	Credit	Course Name	S1	S2	YEAR	N
SST3041	0.5	America in Conflict-US Military History	X			X
SST3051-2	1.0	AP European History			X	X
SST3121	0.5	AP Macroeconomics	X			X
SST3031-2	1.0	AP Psychology			X	X
SST2021-2	1.0	AP US History			X	X
SST3021	0.5	Economics	X			X
SST3002	0.5	Exploring Wisconsin		X		X
SST2031/2	0.5	Issues in Psychology	X	X		X
SST4011/2	0.5	Law	X	X		X
SST2071	0.5	Social Problems	X			X
SST2042	0.5	Sociology		X		X
SST3071/2	0.5	Sports Psychology	X	X		
TECHNOLOGY & ENGINEERING EDUCATION						
Course #	Credit	Course Name	S1	S2	YEAR	N
TEE2012	0.5	Architectural Drafting		X		
TEE3062	0.5	Auto Mechanics		X		
TEE2062	0.5	Basic Home & Auto Maintenance		X		
1051/2	0.5	Big IDEA	X	X		

TEE2031	0.5	Construction I	X			
TEE2132	0.5	Construction II		X		
TEE3031	1.0	Construction III (2 consecutive blocks)	X			
TEE2071-2	1.0	Digital Electronics			X	
TEE4011-2	1.0	Engineering Design & Development			X	
TEE1041/2	0.5	IDEA (Innovation, Design, Engineering, Art)	X	X		
TEE1011-2	1.0	Intro to Engineering Design			X	
TEE1021	0.5	Intro to Industrial Technology	X			
TEE1032	0.5	Intro to Industrial Technology		X		
TEE2142	0.5	Metal Fabrication		X		
TEE2041	0.5	Metal Technology	X			
TEE3011-2	1.0	Principles of Engineering (ES)			X	X
TEE2051	0.5	Small Engine Technology	X			
TEE2102	0.5	Welding		X		
TEE1081	0.5	Woods I: Fine Wood Working	X			
TEE2082	0.5	Woods II: Advanced Furniture Theory		X		
TEE1101-2	1.0	Yearbook			X	
WORLD LANGUAGE						
Course #	Credit	Course Name	S1	S2	YEAR	N
WLA1111-2	1.0	French I			X	X
WLA1121-2	1.0	French II			X	X
WLA2111-2	1.0	French III			X	X
WLA3111-2	1.0	French IV			X	X
WLA4111-2	1.0	French V			X	X
WLA3121-2	1.0	Int French for Proficiency			X	
WLA2021-2	1.0	Int Spanish for Proficiency			X	
WLA1211-2	1.0	Mandarin Chinese I			X	X
WLA1221-2	1.0	Mandarin Chinese II			X	X
WLA2211-2	1.0	Mandarin Chinese III			X	X
WLA3211-2	1.0	Mandarin Chinese IV			X	X
WLA1011-2	1.0	Spanish I			X	X
WLA1021-2	1.0	Spanish II			X	X
WLA1031-2	1.0	Spanish III			X	X
WLA2011-2	1.0	Spanish IV			X	X
WLA3011-2	1.0	Spanish V			X	X
WLA4011-2	1.0	Spanish VI			X	X
WLA1041-2	1.0	Spanish for Heritage Speakers			X	X

Schedule Planner (Be sure to fill in year-long courses across both semesters)

SEMESTER 1	SEMESTER 2
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
ALTERNATE	ALTERNATE
ALTERNATE	ALTERNATE

WHS CREDIT REQUIREMENTS

	WCHS Graduation Requirements	University of Wisconsin System Admission Requirements	NCAA Division I and II Eligibility Requirements
English	4 Credits including ✓ English 9 or Adv. English 9 ✓ English 10 or Adv. English 10	4 Credits including ✓ Literature course during junior or senior year ✓ Composition course during junior or senior year	4 Credits ✓ Digital Communications is NOT an approved NCAA course
Math	3 Credits	3-4* Credits including ✓ Algebra ✓ Geometry ✓ Advanced Algebra * UW-Madison requires 4 years of math	3 Credits ✓ Senior Mathematical Reasoning is NOT an approved NCAA course
Science	3 Credits including ✓ Biology ✓ At least one Physical Science course	3-4 Credits	3 Credits including ✓ 2 credits of natural/physical science ✓ 1 credit of lab science
Social Studies	3 Credits including ✓ World History ✓ US History or AP US History ✓ Law	3-4 Credits	2 credits ✓ Sports Psychology is NOT an approved NCAA course
Physical Education	1.5 Credits including ✓ Introduction to Physical Education		
Health	.25 Credit		
Careers	.25 Credit		
Electives	Student choice credits outside of requirements	World Language ✓ 2 levels encouraged for 4-year campuses ✓ 2 levels required, 3-4 levels encouraged (UW-Madison only)	*Four additional credits/years of English, math, natural/physical science, social science, or world language
Total Credits	24 Credits	Students are responsible for verifying specific requirements for each university	16 Core Courses 10 of 16 must be completed prior to the start of senior year

WHS FOUR-YEAR PLANNING DOCUMENT

GRADE 9

Semester 1				Semester 2			
1	English 9			1	English 9		
2	Math			2	Math		
3	Biology			3	Biology		
4	World History			4	World History		
5	Intro to Phy Ed or Elective			5	Intro to Phy Ed or Elective		
6	Elective			6	Elective		
7	Elective			7	Elective		
8	Study Hall or Elective			8	Study Hall or Elective		

GRADE 10

Semester 1				Semester 2			
1	English 10			1	English 10		
2	US History or AP US History			2	US History or AP US History		
3	Math			3	Math		
4	Science			4	Science		
5	PE or Elective			5	PE or Elective		
6	Health/Career or Elective			6	Health/Career or Elective		
7	Elective			7	Elective		
8	Study Hall or Elective			8	Study Hall or Elective		

GRADE 11

Semester 1				Semester 2			
1	English			1	English		
2	Math			2	Math		
3	Science			3	Science		
4	Social Studies or Elective			4	Social Studies or Elective		
5	PE or Elective			5	PE or Elective		
6	Elective			6	Elective		
7	Elective			7	Elective		
8	Study Hall or Elective			8	Study Hall or Elective		

GRADE 12

Semester 1				Semester 2			
1	English			1	English		
2	Math or Elective			2	Math or Elective		
3	Science or Elective			3	Science or Elective		
4	Law or Elective			4	Law or Elective		
5	PE or Elective			5	PE or Elective		
6	Elective			6	Elective		
7	Elective			7	Elective		
8	Study Hall or Elective			8	Study Hall or Elective		

WHS COURSE OFFERINGS

Cooperative Academic Partnership Program (CAPP): a convenient and affordable way for high school students to earn concurrent high school and college credit, while developing key skills for future success. **Note:** Qualified juniors and seniors may earn college credit through CAPP. All dual credit options are dependent upon appropriate teacher certification and may change with changes in staffing. 11-13 additional credits may be earned retroactively upon enrollment in the UW system if a grade of A or B is earned both semesters. Additional four-year universities may offer retroactive credit, please check with the individual university.

College Level Examination Program (CLEP): A group of standardized tests that assess college-level knowledge in several subject areas that are administered at more than 1,700 colleges and universities across the US created by the College Board. Each institution awards credit to students who meet the college's minimum qualifying score, typically 50, but does vary.

Dual Credit (DC): Dual credit allows high school students to take a college-level course at their high school, taught by a certified high school instructor and receive technical college credit if all Dual-Credit requirements are met. These may include earning a specific grade or enrolling at a specific grade level. The course curriculum matches the Madison College course taught on campus.

Laude (L1, L2, L):** WHS courses designated as rigorous academic classes. [Full description here.](#)

NCAA Approved (N): WHS core courses approved for prospective student-athletes seeking NCAA initial-eligibility.

Project Lead the Way (P): Project Lead the Way (PLTW) is the nation's leading provider of K-12 STEM programs which are designed to help students develop the skills necessary to succeed in the global economy.

[illegible]

WHS COURSE OFFERINGS

[illegible]

WHS COURSE OFFERINGS

COURSES	Semester	9	10	11	12	Special Notations
<u>Family & Consumer Sciences</u>						
Baking & Pastry Arts	1 or 2		X	X	X	
Child Care I	1		X	X	X	
Child Care II	2			X	X	
Creative Fashions	2		X	X	X	
Culinary Arts I	1 or 2	X	X	X	X	
Culinary Arts II	2		X	X	X	
Culinary Arts III	1 & 2			X	X	
Fashion & Fabrics	2	X	X	X	X	
Interiors & Housing Services	2		X	X	X	
Personal Relationships	1				X	
<u>Health and Health Science Education</u>						
Advanced Health	2			X	X	
Foundations of Health Care Delivery	1 or 2	X	X	X	X	
Health and Wellness	Qtr 1, 2, 3, or 4		Required			
Health Science Occupations	1 or 2	X	X	X	X	
Medical Terminology	1 or 2		X	X	X	DC, Gr. 11 & 12 only
<u>Mathematics</u>						
Advanced Algebra	1 & 2	X	X	X	X	N
Advanced Placement Calculus AB	1 & 2				X	N, L2
Advanced Placement Calculus BC	1 & 2				X	N, L2
Advanced Placement Statistics	1 & 2			X	X	N, L2
Algebra I	1 & 2	X	X			N
Functions, Statistics and Trigonometry (FST)	1 & 2		X	X	X	N
FST/Pre-Calculus (APPLICATION REQ'D)	1 & 2		X	X		N, L2
Geometry	1 & 2	X	X	X		N
Intro to Discrete Math	2			X	X	N
Intro to Statistics	1			X	X	N
Pre-Calculus	1 & 2			X	X	N, L2
Senior Mathematical Reasoning (formerly Senior Algebra)	1 & 2				X	DC
<u>Music</u>						
Band	1 & 2		X	X	X	L**
Chorale	1 & 2	X	X	X	X	
Concert Band	1 & 2	X				L**
Concert Choir	1 & 2		X	X	X	L**
Jazz Improvisation	1	X	X	X	X	
Music History	2	X	X	X	X	
Music Theory & Composition	1	X	X	X	X	
Philharmonic Orchestra	1 & 2	X	X			
Sonoro (formerly Grazioso)	1 & 2			X	X	
Symphony Orchestra	1 & 2			X	X	L**

CLEP: Prepares students for the College Level Examination Program; **DC:** Dual Credit with Madison College;

L:** Two laude points contingent on four years of participation plus one class “A” solo; **L1:** One laude point; **L2:** Two laude points;

N: NCAA approved

WHS COURSE OFFERINGS

COURSES	Semester	9	10	11	12	Special Notations
<u>Social Studies continued</u>						
<i>Modern Global Studies (2023-24 course)</i>	1		X	X	X	N
Social Problems	1		X	X	X	N
Sociology (formerly Intro to Sociology)	2		X	X	X	N
Sports Psychology	1 or 2			X	X	
United States History	1 & 2		Required Option			N
World History	1 & 2	Required				N
<u>Technology and Engineering Education</u>						
Architectural Drafting	2		X	X	X	
Auto Mechanics	2			X	X	
Basic Home & Auto Maintenance	2		X	X	X	
Big IDEA (Innovation, Design, Engineering, and Art)	1 or 2	X	X	X	X	
Construction I	1		X	X	X	
Construction II	2		X	X	X	
Construction III (2 consecutive blocks)	1			X	X	
Digital Electronics	1 & 2		X	X	X	P
Engineering Design & Development	1 & 2				X	P, L2
IDEA (Innovation, Design, Engineering, and Art)	1 or 2	X	X	X	X	
Intro to Engineering Design	1 & 2	X	X	X	X	P
Intro to Industrial Technology	1 &/or 2	X	X			
Metal Fabrication	2					DC
Metal Technology	1		X	X	X	
Principles of Engineering – ES (also listed under Science)	1 & 2			X	X	N, P, ES, L2
Small Engine Technology	1			X	X	
Welding	2					DC
Woods I: Fine Wood Working	1	X	X	X	X	
Woods II: Advanced Furniture Theory	2		X	X	X	
Yearbook	1 & 2	X	X	X	X	
<u>World Language</u>						
French I	1 & 2	X	X	X	X	N
French II	1 & 2	X	X	X	X	N
French III	1 & 2		X	X	X	N
French IV	1 & 2			X	X	N
French V	1 & 2				X	N, L2, CAPP
Int French for Proficiency	1 & 2			X	X	
Int Spanish for Proficiency	1 & 2		X	X	X	
Mandarin Chinese I	1 & 2	X	X	X	X	N
Mandarin Chinese II	1 & 2	X	X	X	X	N
Mandarin Chinese III	1 & 2		X	X	X	N
Mandarin Chinese IV	1 & 2			X	X	N, L2
Spanish I	1 & 2	X	X	X	X	N
Spanish II	1 & 2	X	X	X	X	N
Spanish III	1 & 2	X	X	X	X	N
Spanish IV	1 & 2		X	X	X	N
Spanish V	1 & 2			X	X	N, L2, CAPP
Spanish VI	1 & 2				X	N, L2, CAPP
Spanish for Heritage Speakers	1 & 2	X	X	X	X	N

CLEP: Prepares students for the College Level Examination Program; **DC:** Dual Credit with Madison College;

L1: One laude point; **L2:** Two laude points; **N:** NCAA approved; **P:** Project Lead the Way;

CAPP: UW-Oshkosh Cooperative Academic Partnership Program

WHS LAUDE SYSTEM

The purpose of the Laude System is to recognize students for the rigor of their academic program as well as their success in that program. This award system was initiated with the Class of 2011. It is implemented in addition to the gold honor cords that are awarded for GPAs of 3.6 or higher.

Award Levels	<p>There are three levels of awards:</p> <ul style="list-style-type: none">• Summa Cum Laude (purple cord)• Magna Cum Laude (silver cord)• Cum Laude (white cord)
Minimum GPA	<p>To be considered for a Laude award, a student must have a cumulative GPA after first semester senior year of 3.0 or higher. This is approximately the top half of the class.</p>
Laude Score	<p>A student's Laude score will be determined by multiplying:</p> <ol style="list-style-type: none">1. The student's cumulative GPA after eight semesters2. The number of designated Laude points earned through all four years as listed in the course offerings chart
Score Breaks	<p>There will be no rounding of Laude scores</p> <ul style="list-style-type: none">• 56+ Summa Cum Laude• 40 – 55.999 Magna Cum Laude• 24 – 39.999 Cum Laude <p>There may be some students who will need to be considered on a case-by-case basis, such as students who take a semester or year abroad or who graduate early.</p>
Examples	<p>Minimum combination for Cum Laude</p> <ul style="list-style-type: none">• 4.0 GPA and 6 semesters of advanced coursework• 3.5 GPA and 7 semesters of advanced coursework• 3.0 GPA and 8 semesters of advanced coursework <p>Minimum combination for Magna Cum Laude</p> <ul style="list-style-type: none">• 4.0 GPA and 10 semesters of advanced coursework• 3.5 GPA and 12 semesters of advanced coursework• 3.0 PGA and 14 semesters of advanced coursework <p>Minimum combination for Summa Cum Laude</p> <ul style="list-style-type: none">• 4.0 GPA and 14 semesters of advanced coursework• 3.5 GPA and 16 semesters of advanced coursework• 3.0 GPA and 19 semesters of advanced coursework
Sample Calculation	<p>GPA = 3.685</p> <p>Courses: AP Psychology (2), Pre-Calculus (2), AP US History (2), AP Calculus (2), AP Lit & Comp (2), Biotechnology (1), Adv. Art Workshop (1) = 12 Laude points</p> <p>Calculation: 3.685 x 12 = 44.22 earns Magna Cum Laude</p>

WHS ADVANCED COURSES FOR LAUDE RECOGNITION

Department	Semesters	Course Title
Art Education	1	Advanced Art Workshop
Business & Information Technology and Marketing Education	2 2	Advanced Accounting Marketing 2
Communication Arts	1 2 2	Advanced Creative Writing AP English Language & Composition AP English Literature & Composition
Computer Science	2	AP Computer Science A
Math	2 2 2 2 2	AP Calculus AB AP Calculus BC AP Statistics FST/Pre-Calculus Pre-Calculus
Music	2 2 2	4 th year of band + A solo/duet 4 th year of choir + A solo/duet 4 th year of orchestra + A solo/duet
Science	2 2 1 1 1	AP Biology AP Chemistry Biotechnology Physics II, semester 1 Physics II, semester 2
Social Studies	1 2 2 2 2	AP Macroeconomics AP European History AP Psychology AP US Government and Politics AP US History
Technology and Engineering Education	2 2	Engineering Design and Development Principles of Engineering (Science Equivalency Credit)
World Language	2 2 2 2	French V Mandarin Chinese IV Spanish V Spanish VI
<ul style="list-style-type: none">• Early College Credit and Start College Now Courses• Online AP Courses• Youth Apprenticeship Qualifying Courses• Study Abroad• Transfer Credits• Early Graduation• Other		<p>Advanced Placement courses taken online will be counted (one Laude credit per semester).</p> <p>Unique situations such as those listed will be considered on an individual basis based on the rigor of the course.</p> <p>Requests for consideration of Laude credit must be submitted by March 1 to the HS Principal.</p>

WHS ADVANCED PLACEMENT COURSES

What is Advanced Placement?

Advanced Placement (AP) Courses allow students to enroll in rigorous, college-level courses while in high school. The potential for college credit is determined based on the AP exam score (generally a score of 3 or higher earns college credit).

AP exams take place once each year over the course of two weeks in May. The college credit that is awarded is specific to each institute of higher education and detailed information for how the UW-System awards AP credit may be found here:

<http://uwhelp.wisconsin.edu/testing/ap.aspx>

For private colleges/universities in Wisconsin as well as out of state schools, it is best to research the individual schools as the credits granted are specific to each respective college/university.

More information on the AP Program may be found here:

<http://www.waunakee.k12.wi.us/high/aptesting.cfm>

Course	Freshman	Sophomore	Junior	Senior
AP Biology			E	E
AP Calculus AB			E	E
AP Calculus BC			E	E
AP Chemistry			E	E
AP Computer Science A			E	E
AP Macroeconomics			E	E
AP European History			E	E
AP Language & Composition			E	
AP Literature & Composition				E
AP Psychology			E	E
AP US Government and Politics			E	E
AP US History		E	E	E
AP Statistics			E	E

WHS PATHWAYS

The Pathways Department provides support for advanced learners in the Waunakee Community School District. Early entrance into a course, doubling up of courses, compacting of course material, independent study and/or taking advanced courses online is possible through demonstrated proficiency, academic ability, and/or high interest levels. For more information, contact the Pathways Coordinator at 608-849-2100.

EARLY POST-SECONDARY OPPORTUNITIES

Early College Credit Program and Start College Now Program Overview

Formerly called “Youth Options”, the Early College Credit (ECCP) and Start College Now (SCN) programs allow public high school students who meet certain requirements to take postsecondary courses at a Wisconsin technical college, a UW System college or university, a Wisconsin tribally controlled college, or a Wisconsin private, nonprofit college or university.

The program provides opportunities for high school students to get a head start on a technical certificate, an associate or bachelor’s degree, to learn more about a field or career of interest, and/or to develop specific skills for entering the work-force immediately after high school graduation.

Through the [Early College Credit Program](#) and/or the [Start College Now Program](#), the Waunakee Board of Education will determine if a desired college course can be taken for high school credit and is not comparable to a current course offered by the district. In such cases, and unless the student fails to complete or get a passing grade in the course, the district will pay the cost of tuition and fees (up to 18 postsecondary credits) and the student will receive both high school and college credit. This high school credit will then count toward the student meeting high school graduation requirements needed to earn a high school diploma.

Applications for fall courses are due by March 1 and for spring courses by October 1. To obtain more information about this program, contact the WHS School to Career Coordinator, Mrs. McGlynn, at 608-849-2137.

PROJECT LEAD THE WAY

PLTW provides transformative learning experiences for K-12 students through engaging curriculum, hands-on learning, and student empowerment to develop in-demand knowledge and skills. Waunakee PLTW courses include Intro to Engineering Design, Principles of Biomedical Science, Digital Electronics, Principles of Engineering, and Engineering Design and Development. Some engineering schools give advanced standing for completion of PLTW coursework. PLTW is helpful to students who are on a course of study within the Science, Technology, Engineering and Mathematics Career Pathway.



CAREER CLUSTER INFORMATION

The 16 Career Clusters are ways for students to group their required courses and electives into a coherent sequence in preparation for college and careers. Utilizing Career Clusters, students can identify pathways from high school to two- and four-year colleges, graduate school, and/or directly to the workplace.

Throughout this publication you will see icons relating to each of the 16 Career Clusters. The icons appear on each cluster page, as well as on department pages of the course guide so you can tell at a glance where the coursework fits.

Working collaboratively with parents, school counselors, and the school to career coordinator, the student will have the tools necessary to select relevant and applied coursework designed to meet their educational and career goals. In addition, more information can be located at www.waunakee.k12.wi.us/high/pos.cfm.

Knowledge and skills needed to succeed in all career clusters: Academic Foundations, Communications, Problem-Solving and Critical Thinking, Information Technology Applications, Systems, Safety Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

WHS SCHOOL TO CAREER

For all School to Career courses, the following expectation is applicable: Course begins the first week of school for year-long courses, or the first week of the semester. Whenever possible, a **job should be secured before school starts**. *While teachers may become aware of available positions, finding a job is ultimately the responsibility of the student/parent/guardian. Students have two weeks into each semester to secure a position, or they will be ineligible to earn credit and any release time. All credits earned through these programs are elective.*

Timeline for all School to Career courses:
Applications available in January – pick up from School to Career Coordinator in Counseling Office
Applications DUE by February 15 – submit to the School to Career Coordinator in Counseling Office

EMPLOYABILITY SKILLS

Course ID: STC3101 and/or STC3102
Prerequisite: Application Process
Credit: 0.5 per semester, up to 1.0 credit per year (Semester 1 and/or 2)
Grades: 11-12
Description: Students must apply for this experience. It is beneficial for students to be enrolled in a related course (Ag, Business, FACS, Tech, Engineering, or Marketing). Students should complete the Employability Skills program before enrolling in a State Certified Co-op program senior year. Juniors and/or Seniors with a 2.7 GPA enrolled in Employability Skills may be eligible for a school-approved work release each semester. The Employability Skills program allows Juniors and/or Seniors to gain valuable work experience while they are still in school. Upon successful completion, this work experience will recognize the student’s mastery of employability skills valued by employers and will provide a state-certified certificate to validate accomplished employability skills. Students must complete: 90 hours of on-the-job experience, all meeting and journaling requirements, and the Wisconsin DPI Skills Portfolio in order to earn 0.5 credit per semester.

STATE CERTIFIED CHILD CARE CO-OP

Course ID: STC3021-3022
Prerequisite: Application Process plus Related Course Enrollment
Credit: 1.0 per semester, up to 2.0 credits per year (year-long program)
Grades: 12
Description: Available in the area of Assistant Child Care Teacher, students must be concurrently enrolled in a related class each semester. Students should have completed the Assistant Child Care Teaching certification (ACCT) program before enrolling in a State Certified Co-op. The State Certified Co-op work based education program puts into action the skills and principles which students have learned in their related courses. Students will have the opportunity to gain valuable work experience while they are still in school. Students will be able to earn a state certified certificate upon successful completion of their portfolios. Students may be eligible to earn school-approved work release in order to complete their work requirements. Students must complete: 480 hours of on-the-job experience during the year, all meeting and journaling requirements, and a skills portfolio in order to earn 1.0 credit per semester.

FUTURE EDUCATOR INTERN

Course ID: STC3141-3142
Prerequisite: Application Process
Credit: 1.0 per semester, up to 2.0 credits per year (year-long program)
Grades: 11-12
Description: Students must apply for this experience. In order to provide an opportunity for our students who are interested in Education as a future career pathway (not including Early Childhood Education), students may apply to this unpaid internship program. To align with current programming, this program would be similar to both the State Certified Coop and Youth Apprenticeship Programs. The program includes a partnership with a Waunakee (or other local) licensed educator who is willing to mentor a High School student, in 11 and/or 12 grade, in an Education Pathway. The partnership would focus on grades K-6. A skills checklist will be established and used to evaluate the HS student at the end of the program, with periodic in-person evaluations to be completed by the School to Career Coordinator. Students will be allowed to schedule internship releases into their schedule the same as other work based learning students, and would be responsible for their own transportation to the approved internship site. An hour requirement would be 90 logged hours per semester to earn 0.5 credit or 180 logged hours to earn 1.0 credit. There would be no pay involved, but students would earn either 0.5 or 1.0 credit per semester for the internship based on the minimum hour requirement being met as well as journaling requirements and a record of successful evaluations. Students may repeat this experience for up to two years.

WHS SCHOOL TO CAREER – Youth Apprenticeship Program

For all School to Career courses, the following expectation is applicable: Course begins the first week of school for year-long courses, or the first week of the semester. Whenever possible, a **job should be secured before school starts**. *While teachers may become aware of available positions, finding a job is ultimately the responsibility of the student/parent/guardian. Students have two weeks into each semester to secure a position, or they will be ineligible to earn credit and any release time. All credits earned through these programs are elective.*

Timeline for all School to Career courses:
Applications available in January – pick up from School to Career Coordinator in Counseling Office
Applications DUE by February 15 – submit to the School to Career Coordinator in Counseling Office

YOUTH APPRENTICESHIP

Course ID: Varies by Program
Prerequisite: Application Process plus Related Course Enrollment
Credit: 1.0 per semester, up to 2.0 credits per year (year-long program)
Grades: 11-12

Description: Students must apply for this learning opportunity. A prospective Youth Apprenticeship meeting will be held the beginning of second semester. Attendance is mandatory for participation in the Youth Apprenticeship program. Students are required to provide own transportation to class and the worksite during the day. Students enrolled in the Youth Apprenticeship program must also be enrolled in concurrent courses at the high school or through the Youth Apprenticeship program. Students will need to meet with a Counselor and the School to Career Coordinator before applying for this program. The Youth Apprenticeship Program is a unique opportunity for Juniors and Seniors to start preparing for a career while still in high school. The one- or two-year program provides the opportunity for work-based learning, occupational instruction and academic education. As a youth apprentice, students will earn an hourly wage while learning from skilled professionals. While enrolled in the Youth Apprenticeship program, students will develop academic and occupational skills necessary for employment. Students must concurrently enroll in a course related to their Apprenticeship; options for Waunakee High School courses, online courses, Dane County School Consortium courses, or postsecondary courses are available to meet this requirement. Students must complete: 450 hours of on-the-job experience during the year, all meeting and journaling requirements, and a skills portfolio in order to earn 1.0 credit per semester.

WHS YA Program: Agriculture Apprenticeship

- Also available Veterinarian Technician Apprenticeship

Course ID: YAP3011-3012

Course ID: YAP3811-3812

The agriculture and natural resources industry offers a variety of potential worksite possibilities including farms, landscaping businesses, floral shops, veterinarian clinics, and water treatment facilities. Units in this apprenticeship program include animal, plant, or environmental systems pathways.

WHS YA Program: Architecture and Construction Apprenticeship

Course ID: YAP3061-3062

In this industry, worksites vary from being immersed in large architectural firms to working within local construction companies or the opportunity to be trained by trade specialists. Earnings in this career are higher than average and it offers more opportunities than other industries for individuals to run their own business. Units in this apprenticeship program include construction or design pathways.

WHS YA Program: Graphic/Print Apprenticeship

Course ID: YAP3361-3362

The Arts, A/V Technology and Communications Career Cluster — Printing Technology Pathway careers range from graphic designers to press operators to customer service representatives and sales. Units include graphic design & pre-press and press & post-press.

WHS YA Program: Finance Apprenticeship

- Also available Insurance Apprenticeship

Course ID: YAP3311-3312

Course ID: YAP3511-3512

The finance industry offers a variety of potential worksite possibilities including accounting departments, financial service institutions, and insurance companies. Due to expanding operations offering a wider range of services, the financial industry will need to attract qualified employees to meet the needs of customers. Units in this program include finance, banking & insurance pathways.

WHS YA Program: Health Apprenticeship

- Also available Resident Aide or Nursing Assistant Apprenticeship
- Also available Pharmacy Tech Apprenticeship

Course ID: YAP3411-3412

Course ID: YAP3211-3212

Course ID: YAP4011-4012

The outlook for careers in medical and health fields is strong and growing. Potential worksite possibilities include hospitals, long-term care residential facilities, dental and medical offices, clinics, pharmacies, and even insurance companies. Units in this apprenticeship program include therapeutic services, health informatics, or ambulatory services.

WHS SCHOOL TO CAREER – Youth Apprenticeship Program

- WHS YA Program:** Hospitality Apprenticeship

Course ID: YAP3461-3462

Worksites for this cluster include the restaurant industry, tourism industry, lodging industry, travel companies, museums, and amusement parks. The leisure and hospitality sector makes up a large percentage of employment in Wisconsin and offers tremendous career growth. Units in this apprenticeship program include restaurant/food & beverage, lodging, and travel/tourism pathways.
- WHS YA Program:** IT Apprenticeship

Course ID: YAP3561-3562

IT functions are universal in all types of business and industries. This cluster is among the largest and fastest source of employment growth in Wisconsin, with companies looking to employ talent to serve both US and global markets. Units in this apprenticeship program include general IT, network systems, programming and software development, or web and digital communications pathways.
- WHS YA Program:** Manufacturing Apprenticeship

Course ID: YAP3611-3612

The manufacturing career cluster is the engine that drives American prosperity. Manufacturing is one of the largest employment sectors in Wisconsin and requires a high number of technically skilled employees to drive innovation within our state. Units in this apprenticeship program include production, operations management, or maintenance/installation/repair pathways.
- WHS YA Program:** Marketing Apprenticeship

Course ID: YAP3661-3662

Marketing industries comprise establishments engaged in a wide variety of industries and sectors. Marketing activities in each of these industries can include Selling, Merchandising, Research, Advertising and Communication, and Marketing Management.
- WHS YA Program:** Science, Technology, Engineering, and Math (STEM) Apprenticeship

Course ID: YAP3711-3712

- Also available *Biotechnology Apprenticeship*
 - Also available *Engineering Apprenticeship*

Course ID: YAP3161-3162

Course ID: YAP3261-3262

Given the critical Nature of STEM career fields, job possibilities are plentiful even in times of economic downturn.
- WHS YA Program:** Transportation, Distribution, and Logistics

Course ID: YAP3111-3112

Technology will continue to streamline and transform the logistics and distribution industry. Employment in the automotive repair sector is expected to increase due to the sophistication and dependency on electronic controls and systems in motor vehicles requiring skilled professionals. Units in this apprenticeship program include logistics, auto collision, auto technician, or diesel technician pathways.

For more information and resources on the Youth Apprenticeship Program, please visit the following: [Waunakee HS Youth Apprenticeship](#)

Program Framework

Key elements of the youth apprenticeship program are:

- Industry-developed skill standards
- Exposure to multiple aspects of the industry
- Skilled mentors assigned to train the students
- Paid on-the-job work experience
- Related classroom instruction concurrent with work-based learning
- Curriculum guidelines for all programs
- Performance evaluation of demonstrated competencies
- State-issued skill certificate

Youth Apprenticeship (YA) integrates school-based and work-based learning to instruct students in employability and occupational skills defined by Wisconsin industries. Local programs provide training based on statewide youth apprenticeship curriculum guidelines, endorsed by business and industry. Students are instructed by qualified teachers and skilled worksite mentors. Students are simultaneously enrolled in academic classes to meet high school graduation requirements, in a youth apprenticeship related instruction class, and are employed by a participating employer under the supervision of a skilled mentor.



WHS SCHOOL TO CAREER – Career Pathway Supplemental Courses

Career Pathway Supplemental Courses are offered through a partnership with the Dane County School Consortium. Tuition is paid by the district for students approved to enroll in the courses. Approval is granted through the School to Career Coordinator. Transportation is the responsibility of the student as all courses are held off campus. Students who enroll will be graded on their work and attendance will be recorded by the instructor. Grades will be posted for all progress reports and will affect a student’s grade point average.

AGRICULTURE PATHWAY | Veterinary Medical Terminology, 0.5 credit/semester

Prerequisite: Junior or Senior standing, C or better in Vet Science (AGR2092)

This course teaches veterinary medical terminology for common clinically recognizable diseases, operations, systems and procedures, as well as common medical signs, abbreviations and colloquial vocabulary. This course is offered through UW Madison Veterinary School one night per week during the fall and spring semester.

AUTOMOTIVE PATHWAY | Auto Technician, 0.5 credit/semester

Prerequisite: Junior or Senior standing

This class will prepare students for the Student Certification Tests. The tests are developed and delivered by the National Institute for Automotive Service Excellence (ASE). Suspension and steering, brakes, electrical/electronic systems, engine performance, engine repair, automatic transmission/transaxle, manual drive train and axels, heating and air conditioning, maintenance and light repair, automobile service technology. Classes are offered through Oregon High School on Wednesday evenings throughout the school year.

AUTOMOTIVE PATHWAY | Girl’s Auto Clinic, 0.5 credit

This course is sporadically available and students should see Mrs. McGlynn for information on upcoming classes.

BIOTECHNOLOGY PATHWAY | Biotechnology in the World of Medicine, 0.5 credit/semester

Prerequisite: Sophomore, Junior or Senior standing, C or better in Biology (SCI1011-12)

Students will explore technologies used in the biomedical field. Students will work on a project focused on creating new tools to radically improve human health, especially in the developing world. Solutions to the Grand Challenges depend on an understanding of molecular biology and the incorporation of biotechnology. Through technical lectures, laboratory work, and presentations from guest speakers, students will have the opportunity to acquire knowledge and scientific skills that focus on the study of DNA, RNA and proteins in a real-world, problem-centered context. Students will research ways to prevent, diagnose, and treat human disease. In addition, students will engage with the professional community of biomedical engineers and explore associated career pathways. This course is offered at Biopharmaceutical Technology Center in Fitchburg one night per week during the fall semester.

CONSTRUCTION PATHWAY | Commercial Construction, 0.5 credit/semester

Prerequisite: Junior or Senior standing, C or better in Construction I (TEE2031)

This class will emphasize commercial construction techniques through project based learning. Topics included: First aid training, OSHA 10 Certification, site layout - permits and transition, floor framing, steel wall framing, electrical, plumbing, windows/doors/trim/roofing, masonry/ concrete, installing drywall/finishing, and floor tile layout and installation. Classes are offered through McFarland High School on Wednesday evenings throughout the school year.

HEALTH SCIENCE PATHWAY | Certified Nursing Assistant, 0.75 credits

Prerequisite: Junior or Senior standing, C or better in Medical Terminology (HLT2021 or HLT2022)

This class will prepare students for employment as nursing assistants. Students learn communication skills, basic nursing and personal care skills, clients’ rights and care of clients with dementias. A supervised clinical experience with direct client care is a major component of the course. Upon completion, the student is eligible to take the certification for the Wisconsin Nurse Aide Registry. Enrollment Requirements: Must meet minimum age requirements, complete a Background Check, Health Screening, and Reading Requirements. Students who are interested in this program should speak with the School to Career Coordinator on available options through Madison College and Quality CNA. There is an application process that takes up to 2-3 weeks and classes are highly competitive to enroll in. All courses are held at various locations including, but not limited to: Madison Truax (Madison College), Herzing College (Quality CNA), Home Again (Quality CNA), as well as other sites as they become available.

MANUFACTURING PATHWAY | Girl’s Welding Clinic, 0.5 credits

This course is sporadically available and students should see Mrs. McGlynn for information on upcoming classes.

WHS DUAL-ENROLLMENT OPPORTUNITIES FOR 2022-2023

Waunakee HS Course Name	Waunakee HS Course Instructor	Post-Secondary Institution Name/Credits	Post-Secondary Credits	Post-Secondary Course Name	Grade Level Stipulations *Grade of C or Better
Accounting	Trumbower	Madison College	3 credits	Accounting Principles	10, 11, 12
Biotech Career Apps	Knapp	Madison College	1 Credit	Biotechnology Career Seminar	10, 11, 12
Biotechnology	Knapp	Madison College	1 Credit	Biotechnology Applications	10, 11, 12
Concepts of Entrepreneurship	Serum	University of Iowa	3 credits	Exploring Entrepreneurship	11, 12 (70% or higher on exam)
French V	Thompson	UW-Oshkosh	5 Credits	French 204	11, 12
Marketing 1	Meinholz	Madison College	3 Credits	Marketing Principles	10, 11, 12
Medical Terminology	Gascho	Madison College	3 Credits	Medical Terminology	11, 12
Metal Fabrication	France	Madison College	3 Credits	Metal Fabrication	10, 11, 12
MS Excel & Access	Trumbower	Madison College	1 Credit	Beginning Excel	10, 11, 12
MS Excel & Access	Trumbower	Madison College	1 Credit	Beginning Access	10, 11, 12
MS Office Advanced	Heck/Serum	Madison College	1 Credit	Beginning Word	10, 11, 12
MS Office Advanced	Heck/Serum	Madison College	1 Credit	Beginning PowerPoint	10, 11, 12
Senior Mathematical Reasoning	Lussier	Madison College	3 Credits	Mathematical Reasoning	11, 12
Spanish V	Simmons	UW-Oshkosh	5 Credits	Spanish 204	11, 12
Spanish VI	Simmons	UW-Oshkosh	5 Credits	Spanish 312	12
Welding	France	Madison College	3 Credits	Gas Metal Arc Welding	10, 11, 12

Project Lead the Way Courses (MSOE = Milwaukee School of Engineering, WTC = Wisconsin Technical Colleges)

Principles of Engineering	Rademacher	MSOE	3 Credits	Prin. of Engineering (GE-1001)	MSOE: Complete course with a B average, pass final exam within the cut score, complete MSOE form and pay processing fee for each class.
		Visit https://www.msoe.edu/admissions-aid/undergraduate-admissions/incoming-credits/project-lead-the-way/ for specific information.			
Intro to Engineering Design	France/Willauer	MSOE	3 Credits	Intro to Engineering Design (GE-1002)	
		Visit https://www.msoe.edu/admissions-aid/undergraduate-admissions/incoming-credits/project-lead-the-way/ for specific information.			
Digital Electronics	France	MSOE	3 Credits	Digital Electronics (GE-1003)	
		Visit https://www.msoe.edu/admissions-aid/undergraduate-admissions/incoming-credits/project-lead-the-way/ for specific information.			
Principles of Biomedical Science	Moore	MSOE	3 Credits	Principles of Biomedical Sciences (BI-1001)	
		Visit https://www.msoe.edu/admissions-aid/undergraduate-admissions/incoming-credits/project-lead-the-way/ for specific information.			

CLEP (College-Level Examination Program) Test Courses (For more information see www.clep.collegeboard.org)

Waunakee HS Course	CLEP Test Available
Advanced Accounting	Financial Accounting
Management & Ethics	Principles of Management
Marketing 2	Principles of Marketing

Information regarding Post-Secondary credit can change due to policies at higher ed institutions. See instructor for up to date information.
Need to know if or how your credits will transfer? Check out <https://www.wisconsin.edu/transfer/wizards/>



WHS COURSE ADDITIONS AND CHANGES FOR 2022-2023

Course Name	Grade	Credits	Prerequisites	Department	Notes
NEW COURSE OFFERINGS					
Construction III	11-12	1.0	Construction II	Tech Ed & Engineering (CTE)	Semester 1 (2 Consecutive Blocks)
Multicultural Literature	11-12	0.5	English 10 or Advanced English 10	Communication Arts	Semester 2
COURSE DELETIONS					
COURSE NAME CHANGES					
Lifeguard Certification	10-12	0.5	See description	Physical Education	Previously named Lifeguard Training
OTHER COURSE CHANGES					
Ag Business	11-12	0.5	Any Ag Course	Agriculture Education	Offered Semester 1 now, not Semester 2
Human Anatomy & Physiology I	11-12	0.5	Chem or Chem World (C or Higher)	Science	Students must earn a C or higher in Chem or Chem World to enroll
Human Anatomy & Physiology II	11-12	0.5	Chem or Chem World (C or Higher)	Science	Students must earn a C or higher in Chem or Chem World to enroll
Mass Media	11-12	0.5	English 10 or Advanced English 10	Communication Arts	Mass Media is now an NCAA approved English course
Social Problems	10-12	0.5	World History	Social Studies	Now available for students in Grades 10 (as well as 11-12)

AGRICULTURAL AND NATURAL SCIENCES



Course	Freshman	Sophomore	Junior	Senior
Agricultural Business			E	E
Agriculture Machinery & Buildings**		E	E	E
Animal Science - ES		E	E	E
Food Science		E	E	E
Intro to Agriculture	E			
Landscaping Design***		E	E	E
Livestock & Equine Management****		E	E	E
Natural Resources I	E	E		
Natural Resources II		E	E	E
Plant Science*	E	E	E	E
Small Animal & Pet Care	E	E		
Veterinary Science - ES		E	E	E

E = Elective and the year student is eligible to take the course.

DC = Dual Credit with a post-secondary institution/certificate program

ES = Science Equivalency Credit (3rd Science Credit)

NOTE: A maximum (1.0) ES may be earned by a student to count as a Science Equivalency Credit

***Plant Science is a semester course offered alternate years, available in 2023-24.**

****Agriculture Machinery & Buildings is a semester course offered alternate years, available in 2022-23.**

*****Landscaping Design is a semester course offered alternate years, available in 2023-24.**

******Livestock & Equine Management is a semester course offered alternate years, available in 2022-23.**

AGRICULTURAL BUSINESS

Course ID: AGR3011
 Prerequisite: Any Ag Course, not including Biotechnology
 Credit: 1/2 (Semester 1)
 Grades: 11-12

Description: Students interested in the business side of agriculture are highly recommended to take this course. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Many aspects of Agricultural Business will be covered, including financial instruments, credit, markets and marketing, financial strategies, and entrepreneurship.

AGRICULTURE MACHINERY & BUILDINGS

Course ID: AGR2021
***2022-23 School Year Offering (Alternating Years)**
 Prerequisite: Any Ag or Tech Ed course
 Credit: 1/2 (Semester 1)
 Grades: 10-12

Description: Students will complete projects in equipment repair and maintenance, facility planning, and building principles. Students will also plan and complete individual projects related to equipment, carpentry or metals. This course is heavily based on projects and shop work. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Carpentry, Fence building, Building Materials, Painting project, Facility Planning, Metal box, Financial Management, and Equipment Identification, Maintenance).

ANIMAL SCIENCE (ES)

Course ID: AGR2031
 Prerequisite: Biology
 Credit: 1/2 (Semester 1)
 Grades: 10-12

Description: This course is designed for the student who wants to understand animals. Students will learn about the importance of animals in today's society and how they function. The course studies anatomy, physiology, genetics (cloning), reproduction, digestion, nutrition, lactation, and veterinary science. This is an excellent introduction for those students thinking of becoming veterinarians. This is heavily lab and activity based. Students will complete an SAE Project to explore and earn skills in a career/area of their choice. Units of Study include: Reproduction-physiology, mechanics; Feeds; Digestion; Animal Uses & Roles; Vet Science; Anatomy; Genetics; Nutrition; Physiology. **Science credit is awarded for successful completion of this course as it is recognized as a science equivalency by the Wisconsin Department of Public Instruction as a third science credit.**

FOOD SCIENCE

Course ID: AGR2042
Prerequisite: Biology, Suggested-Intro to Agriculture
Credit: 1/2 (Semester 2)
Grades: 10-12
Description: Students will explore student interest in the production, processing, marketing, and behavior of food substances. Students will use the scientific method to explore the chemical makeup of food and the biology of human nutrition. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. This course is heavily lab based and units of study may include: food additives, MyPlate/nutrition panels, food processing & preservation, fermentation, dairy products, meat products, poultry products, grains & plant products, fish products, and food safety.

INTRO TO AGRICULTURE

Course ID: AGR1022
Prerequisite: None
Credit: 1/2 (Semester 2)
Grades: 9
Description: This course explores the remaining opportunities in the Agriculture Department. Students will actively investigate the different areas through projects, labs, hands-on activities and field trips. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Small/Large Animal Science – pets, horses, dairy, livestock, judging, hatching chicks; Leadership – Leadership Analysis – Techniques; Plant Science – identification, basic care; Food Science/Biotechnology meats, cheese and yogurt-making, product identification.

LANDSCAPING DESIGN

Course ID: AGR2052
***2023-24 School Year Offering (Alternating Years)**
Prerequisite: Suggested-Plant Science
Credit: 1/2 (Semester 2)
Grades: 10-12
Description: Through lab-based experiences, students will create landscape designs on both paper and computer models. Students will also implement projects for home, community, or school improvement. Field trips to area landscapers and sites for analysis will be included. Outdoor projects are a major portion of the course. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Careers, Design Principles and Elements, Cost Estimation, Intro to Landscape Design, Landscape Structures, Landscape Establishment and Maintenance, Site Analysis, and Landscape Layouts.

LIVESTOCK & EQUINE MANAGEMENT

Course ID: AGR2062
***2022-23 School Year Offering (Alternating Years)**
Prerequisite: Animal Science or Instructor Written Consent
Credit: 1/2 (Semester 2)
Grades: 10-12
Description: Through hands-on labs and activities, the students will practice and develop animal care techniques used with large animals. Students will learn how to properly manage animals for their production and profit. This course is heavily lab and activity based with field trips included. Each student will complete an SAE Project,

which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Management and judging of beef, dairy, fish, poultry, sheep, and swine.

NATURAL RESOURCES I

Course ID: AGR1011
Prerequisite: None
Credit: 1/2 (Semester 1)
Grades: 9-10
Description: This course will offer students the opportunity to explore natural resources through hands-on labs and activities. Career opportunities are investigated throughout the different units. This course is heavily based on lab activities and exercises, and involves extensive outdoor experiences. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Forestry, Water Quality, Soils, Wildlife, White-Tailed Deer, Natural Resource Management, Decision Making, and Careers.

NATURAL RESOURCES II

Course ID: AGR2011
Prerequisite: Natural Resources I or Ecology: Ecosystems of SW WI
Credit: 1/2 (Semester 1)
Grades: 10-12
Description: Through field trips, projects, and hands-on experiences, students will learn about Wisconsin’s resources of wildlife, water, soil and outdoor recreation. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Wildlife and ecosystems, furbearers, tanning hides, trapping, waterfowl, fish, taxidermy, water quality, soils, soil erosion and control, outdoor recreation, and alternative energy.

PLANT SCIENCE

Course ID: AGR1071
***2023-24 School Year Offering (Alternating Years)**
Prerequisite: None
Credit: 1/2 (Semester 1)
Grades: 9-12
Description: This course focuses on hands-on learning about plants through the use and management of the Greenhouse, Outdoor Education Center and the “Garden of Dreams’ (School and Community Garden). As a class, students will maintain and improve the plant life of the Outdoor Education Center to learn the principles of plant science and landscaping. This course is heavily lab-based and much of the first half of the semester will be spent outside. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Careers, Landscaping, Floriculture (flowers, bouquets, and boutonnières), Propagation, Greenhouse Management, Plant Identification, Pruning, Plant Nutrients/Fertilizer, Gardening, Plant Management (lawn, tree, shrub, vegetable, and houseplants).

SMALL ANIMAL & PET CARE

Course ID: AGR1082
Prerequisite: None
Credit: 1/2 (Semester 2)
Grades: 9-10

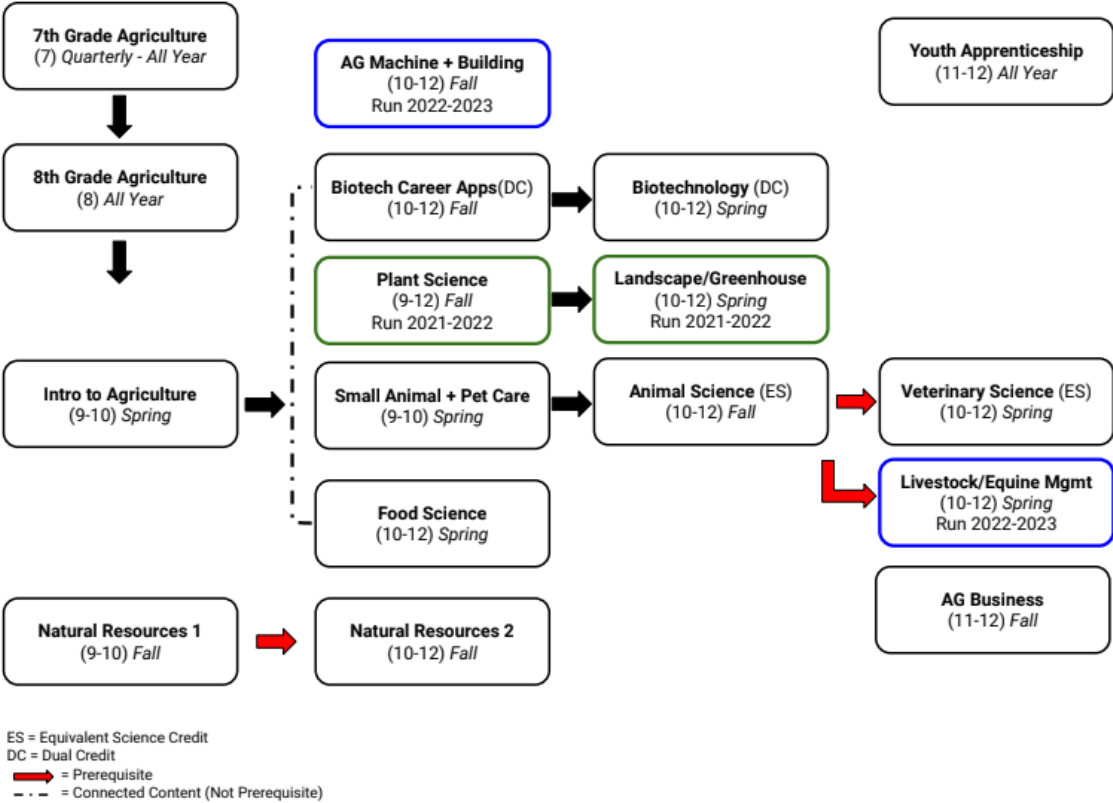
Description: Through projects, labs, and field trips, students will learn how to properly care for pets and recreational animals. Students will explore feeding, breeding, training and detection and control of disease and parasites. This course involves many hands-on activities with small animals and the care of project animals for the semester. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Dogs, cats, rodents, fish, reptiles, exotics, cost of pets, choosing a pet, and nutrition and digestion.

VETERINARY SCIENCE (ES)

Course ID: AGR2092
Prerequisite: Animal Science or Instructor Written Consent
Credit: 1/2 (Semester 2)
Grades: 10-12

Description: **Science credit is awarded for successful completion of this course as it is recognized as a science equivalency by the Wisconsin Department of Public Instruction as a third science credit.** Students will actively gain skills and knowledge related to animal health and veterinary medicine through animals’ labs, demonstrations, and partnerships with local veterinary clinics and veterinarians. Hands-on labs will be major portions of the course. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Careers, Vet Medical Testing, Anatomy, Animal Handling & Restraint, Disease, Adminstrating Drugs, Hospital Procedures, Medical Instruments, Animal Therapy, Vet Math, Sanitation and Safety, and Medical Terminology.

Waunakee Agriculture Department - Course Breakdown



Students entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for an:

Agriculture, Food, and Natural Resources Youth Apprenticeship

This rigorous one- or two-year program includes a pathway for Agriculture or a Veterinary Technician Assistant. Please refer to the “School to Career” section in the course handbook for more information on this work based learning opportunity that provides students with industry-defined occupational and employability skills.

ART EDUCATION



Course	Freshman	Sophomore	Junior	Senior
3D Computer Animation I		E	E	E
3D Computer Animation II			E	E
Advanced 2D Art (formerly Principles of Design 2D)			E	E
Advanced 3D Art (formerly Principles of Design 3D)			E	E
Advanced Art Workshop				E
Art Lab Assistant		E	E	E
Art Metals		E	E	E
Big IDEA (Innovation, Design, Engineering, and Art Level 2)	E	E	E	E
Ceramics		E	E	E
Drawing & Printmaking (formerly Printmaking)		E	E	E
Elements of Art 2D	E	E	E	E
Elements of Art 3D	E	E	E	E
Graphic Design	E	E	E	E
IDEA (Innovation, Design, Engineering, and Art)	E	E	E	E
Painting (formerly Drawing & Painting)		E	E	E
Photography		E	E	E
Photoshop I		E	E	E
Photoshop II			E	E
Textiles		E	E	E

E = Elective and the year student is eligible to take the course.

3D COMPUTER ANIMATION I

Course ID: ART2042
 Prerequisite: None
 Credit: 1/2 (Semester 2)
 Grades: 10-12

Description: Although not a prerequisite, a student would benefit from having completed Photoshop I along with an introductory Art course. AutoDesk's Maya is a comprehensive 3D Animation Software. In this course students will use Maya to learn modeling, simulation, rendering. This course offers high-end character and effects toolsets along with increased productivity for modeling, texturing, and shader creation tasks. Units of Study include: 3D Computer Animation students can expect to learn how to build complex objects which interact with other objects in the scene. Students will learn how to properly light the scene, apply surfaces to the various objects and show the physical effects when these objects influence each other. Students will learn how to form objects and apply the forces of friction and gravity to model various short animations around 60 seconds in length. Students will create three or four short projects centered on some specific function, force or process.

3D COMPUTER ANIMATION II

Course ID: ART3042
 Prerequisite: 3D Computer Animation I
 Credit: 1/2 (Semester 2)
 Grades: 11-12

Description: The second semester will focus on the special effects systems available under AutoDesk's Maya for the creation of complex and detailed world spaces and developing the necessary understanding of lighting, timing and movement for successful animation. We will also try our hand at full scale character creation going from idea to sketch to digital rough to finished player. As time allows we will also move on into the rather more challenging field of character animation of integration into a designed environment. Second semester students will be encouraged/expected to process the entire scope of animation as their semester project. From shoreline to edits to story boards to character sketches to layout to world mapping to character insertion and system interaction.

ADVANCED 2D ART

Course ID: ART3091
 Prerequisite: Drawing & Painting or Drawing & Printmaking or Painting, or Photography
 Credit: 1/2 (Semester 1)
 Grades: 11-12

Description: **(Formerly Principles of Design 2D)** An overview of 2D Art with emphasis on the Design Principles. Art Elements are more advanced as we work with varied materials. Units of Study include: Design principles, silk screen printing, sketchbooks, watercolor, drawing, and acrylic.

ADVANCED 3D ART

Course ID: ART3102
 Prerequisite: Ceramics or Art Metals or Textiles
 Credit: 1/2 (Semester 2)
 Grades: 11-12

Description: **(Formerly Principles of Design 3D)** An overview of 3D Art with emphasis on the Design Principles. Art Elements are more advanced as we work with varied materials in 3D. Units of Study include: Art Metals, Sketchbooks, Sculpture, Ceramics, Copper relief, Tie-dye (textiles), and 3D Painting.

ADVANCED ART WORKSHOP

Course ID: ART4012
 Prerequisite: Three Art Classes, \$10.00 Fee
 Credit: 1/2 (Semester 2)
 Grades: 12

Description: Independent course where students focus on their art strengths, explore new mediums and work on original ideas, and work to complete a required number of projects including a Career Unit. This class organizes the Senior Art Show. Sketchbooks required.

ART LAB ASSISTANT

Course ID: ART5001 OR ART5002
 Prerequisite: None
 Credit: 1/4 (Semester 1 or 2)
 Grades: 10-12

Description: This course is designed for the student who is interested in working with the art teacher by completing tasks such as making copies and putting up art displays as well as working on miscellaneous projects related to art. Assistant application forms are available in the counseling office and approved based on teacher consent and availability.

ART METALS

Course ID: ART2061
 Prerequisite: Elements of Art 3D, \$10.00 Fee
 Credit: 1/2 (Semester 1)
 Grades: 10-12

Description: An in-depth study of metal working techniques, materials, metal types, stone setting and metal design. Units of Study include: Appliqué, piercing, combination materials, and basic stone setting; Metal types, brass, nickel, silver, and copper; Surface treatments, chasing, copper enamel, and granulation; Field trip to Burnie's Rock Shop; Casting; Independent Work; and Written Semester Exam. Notebook/Sketchbook required.

BIG IDEA (INNOVATION, DESIGN, ENGINEERING & ART LEVEL 2)

Course ID: TEE1051 OR TEE1052
 Prerequisite: IDEA, \$25 Supply Fee
 Credit: 1/2 (Semester 1 or 2)
 Grades: 9-12

Description: See full course description under Tech Ed & Engineering.

CERAMICS

Course ID: ART2071
 Prerequisite: Elements of Art 3D, \$10.00 Fee
 Credit: 1/2 (Semester 1)
 Grades: 10-12

Description: An in-depth study of hand-building and wheel techniques. Sculpture, glazing and decorative techniques learning how to create both functional and decorative ceramic pieces. Units of Study include: Wheel pottery, hand-built pottery, slab, coil, trimming a wheel port, plaster molds, wheel altered.

DRAWING & PRINTMAKING

Course ID: ART2092
 Prerequisite: Elements of Art 2D
 Credit: 1/2 (Semester 2)
 Grades: 10-12

Description: **(Formerly Printmaking)** This course is an in-depth study of printmaking techniques and history. Relief cut prints using linoleum and wood, intaglio printing using Plexiglas and screen printing. Students will print on a variety of materials including paper and cloth (can print on t-shirts and other apparel options). Students will learn how to layer multiple colors and carving stages to create more intricate final projects.

ELEMENTS OF ART 2D

Course ID: ART1011 OR ART1012
 Prerequisite: \$5.00 Fee
 Credit: 1/2 (Semester 1 or 2)
 Grades: 9-12

Description: A basic course that covers the elements of 2D art, line, shape, value, space, texture and color. During the semester, students work with each element individually, using a variety of techniques, materials, and some study of Art History. Sketchbook work is required. Units of Study include: Line, shape, value, texture, color, sketchbook/journal, written and practicum final exam.

ELEMENTS OF ART 3D

Course ID: ART1021 OR ART1022
 Prerequisite: \$5.00 Fee
 Credit: 1/2 (Semester 1 or 2)
 Grades: 9-12

Description: A basic study of three-dimensional artwork, taking into consideration the Art Elements studied first semester. However, Elements of Art 2D-Semester 1 is NOT a prerequisite for Elements of Art 3D-Semester II. An emphasis is placed on diversity of materials and processes. Sketchbook is required. Units of Study may include: Armature Sculpture, Sketchbook/Journal, Relief Sculpture, Written & Practicum, Sculptural Ceramics, Wire Sculpture, 3D Mobiles, Polyhedra Form, and Functional Ceramics.

GRAPHIC DESIGN

Course ID: ART1032
 Prerequisite: None
 Credit: 1/2 (Semester 2)
 Grades: 9-12

Description: Basic design skills using the Adobe Creative Suite with an emphasis on Illustration. Lessons will be based on concept development using the elements and principles of art. Text and gradients, shapes, color, drawing and composing, transforming and distorting objects, working with layers, patterns and brushes. The

graphic design curriculum provides knowledge and skills necessary for employment in the Visual Arts Communication field. Units of Study include: Principles of design, vector art, creating text and gradients, drawing and composing, clipping masks, image trace, patterns and brushes.

IDEA (INNOVATION, DESIGN, ENGINEERING & ART)

Course ID: TEE1041 OR TEE1042
Prerequisite: \$25 Supply Fee
Credit: 1/2 (Semester 1 or 2)
Grades: 9-12
Description: See full course description under Tech Ed & Engineering.

PAINTING

Course ID: ART2081
Prerequisite: Elements of Art 2D, \$10.00 Fee
Credit: 1/2 (Semester 1)
Grades: 10-12
Description: **(Formerly Drawing & Painting)** An in-depth study of drawing and painting techniques, materials, styles, and historical overview. Portfolio continuation/structure, sketches and journals. Units of Study include: realistic and abstract assignments, colored pencil, drawing pencil, ink, charcoal, acrylic and watercolor paints. Sketchbook required.

PHOTOGRAPHY

Course ID: ART2102
Prerequisite: Elements of Art 2D or Graphic Design or Photoshop or Yearbook, Course Fee \$10.00
Credit: 1/2 (Semester 2)
Grades: 11-12
Description: This Photography course will continue black and white photography as an Art media. This course will review the basics of using a 35mm camera as well as to teach the basics of a digital camera. The student will become familiar with the technical aspects of both and yet the emphasis will remain with photography as an art form. The student will realize its potential as a possible career. Photoshop is the main software used.

PHOTOSHOP I

Course ID: ART2031
Prerequisite: None, One Previous Art Course Recommended
Credit: 1/2 (Semester 1)
Grades: 10-12
Description: The Photoshop I course is taught using the most recent version of Adobe Photoshop CS6. Each workstation is equipped with a Wacom Bamboo graphics tablet which allows the student to use a pen-like stylus instead of a mouse to apply, on a pixel by pixel basis, special effects available in Photoshop CS6. Over the course of the semester, students will learn how to apply those special effects either to make corrections to photographs and create their own images, designs or drawings. In Photoshop I, the students will learn the purpose of Photoshop, the tools and work area, basic photo correction skills, changing an image resolution and size, filters and how they manipulate a picture, how to work with layers and organize their artwork, how to select specific areas of an image and change them, how to correct and enhance digital photographs, blend them and create a mask to refine an image.

PHOTOSHOP II

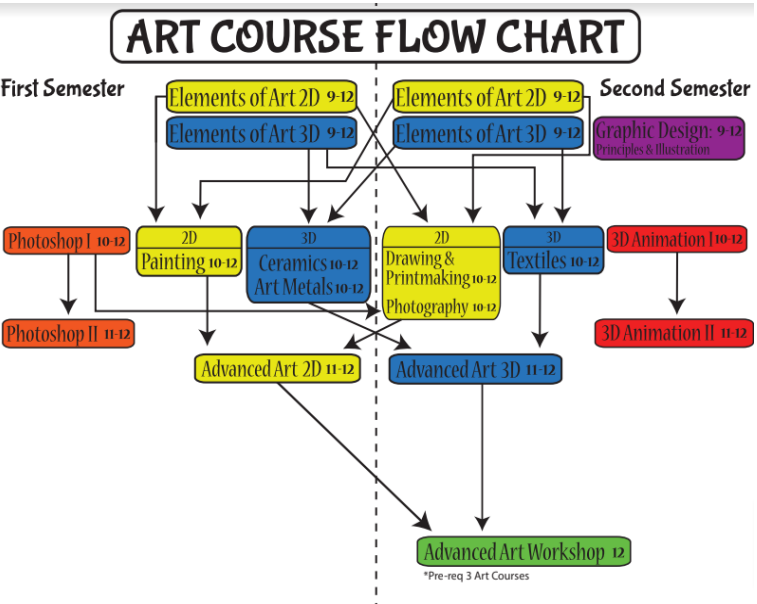
Course ID: ART3031
Prerequisite: Photoshop I
Credit: 1/2 (Semester 1)
Grades: 11-12
Description: Students will learn the basics of portrait photography and how to post process the shot to minimize flaws without altering the photo, learn how to use a variety of “plug in” software packages to enhance or stylize the portrait as needed. They will also learn how to use the filters, adjustment layers and a variety of additional tools to change the image into something which is either more or less than a traditional photograph and how to “pre-process” a photo using the tools found in the Camera RAW where the photographer can re-shoot the photo to fix errors in lighting, depth of field, focus and color correct before bringing the portrait into Photoshop. And explore the new 3D powers in CS 6X and the new ability to take Photoshop into the world of motion photography, in other words – video.

TEXTILES

Course ID: ART2052
Prerequisite: Elements of Art 3D, Course Fee \$10.00
Credit: 1/2 (Semester 2)
Grades: 10-12
Description: An in-depth study of techniques, materials and tools associated with fabrics and fibers. Units of Study include: Tie Dye, Marbling, Batik, Book Binding, Beading, Quilting, Felting, Macramé, and Field Trips.

Students entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for an:

Arts, A/V Technology & Communications Youth Apprenticeship
This rigorous one- or two-year program includes a pathway for Graphics Arts/Printing. Please refer to the “School to Career” section in the course handbook for more information on this work based learning opportunity that provides students with industry-defined occupational and employability skills.



BUSINESS & INFORMATION TECHNOLOGY AND MARKETING EDUCATION



Course	Freshman	Sophomore	Junior	Senior
Accounting - DC		E	E	E
Advanced Accounting			E	E
Business Education Lab Assistant		E	E	E
Career Workshop		R	R	
Concepts in Entrepreneurship			E	E
Dollars & Sense	E	E		
Global Business			E	E
Management & Ethics			E	E
Marketing 1 - DC		E	E	E
Marketing 2			E	E
MS Excel and Access – DC		E	E	E
MS Office Advanced - DC	E	E	E	E
MS Office Basics	E	E	E	E
Sports & Entertainment Marketing				E
Video Editing and Digital Design			E	E
Web Design		E	E	E

R = Fulfills Graduation Requirement at grade level

E = Elective and the year student is eligible to take the course

DC = Dual Credit with a post-secondary institution/certificate program

ACCOUNTING

Course ID: BUS2011-2012
Prerequisite: Dollars & Sense Recommended
Credit: 1.0 (Semester 1 & 2)
Grades: 10-12



Description: This course is designed to introduce high school students to the field of accounting. Student will work through the financial accounting cycle and payroll for a sole proprietorship. Career opportunities will be explored to see what the future holds for the accounting profession. This class provides a combination of manual accounting systems and computerized activities using Quickbooks and Microsoft Excel. Accounting is a dual-credit option with Madison College.

ADVANCED ACCOUNTING

Course ID: BUS3011-3012
Prerequisite: Accounting
Credit: 1.0 (Semester 1 & 2)
Grades: 11-12

Description: Every business degree will require at least one accounting course, and college-level accounting can be very challenging for those who didn't take it in high school. This one-year advanced course is for students interested in acquiring a more in-depth knowledge of accounting and to help better prepare students for the world of work or college-level business courses. This course provides students with the resources to pass the Principles of Accounting CLEP Exam.

BUSINESS EDUCATION LAB ASSISTANT

Course ID: BUS5001 OR BUS5002
Prerequisite: Business Education Teacher Consent
Credit: 1/4 (Semester 1 and/or 2)
Grades: 10-12

Description: Students wishing to advance their computer and/or business skills will aid the Business Education staff with various projects using class-related skills. Projects may involve communication with staff, students and parents. Students will adhere to policies and procedures when using resources such as network access and email accounts. Assistant application forms are available in the counseling office and approved based on teacher consent and availability.

CAREER WORKSHOP

Course ID: BUS2041 OR BUS2051 OR BUS2062 OR BUS2072
Prerequisite: None
Credit: 1/4 (Quarter 1, 2, 3 or 4)
Grades: 10-11

Description: Career Workshop is a course that will help students identify and refine the interpersonal skills and values that lead to success in the world of work. In this required class, students will create a resume and cover letter. They will fill out a job application and ask someone to write them a letter of recommendation. Students will explore career clusters and career options to start the development of an academic and career plan.

CONCEPTS OF ENTREPRENEURSHIP

Course ID: BUS3031
Prerequisite: None
Credit: 1/2 (Semester 1)
Grades: 11-12



Description: Are you interested in designing and operating your own business along with growing the American economy? Well, there is a lot of work that goes into it! This project-oriented course will begin day one with a “hands-on” approach to creating a business of your own. Numerous video links and guest speakers enhance the class by sharing their successes and failures from business ventures they have tried. Working in partnership with the University of Iowa, students who complete the Bizinnovator.com final exam can earn three college credits to take with them when they graduate high school.

DOLLARS & SENSE

Course ID: BUS1011 OR BUS1012
Prerequisite: None
Credit: 1/2 (Semester 1 or 2)
Grades: 9-10

Description: Everyone needs to know basic personal finance skills such as checkbook management, electronic banking and fundamentals of insurance. Students will learn about the wise use of credit and gain insight into different forms of investing and saving. Students will also study the Federal Reserve System and services offered by banking institutions. Students will become aware of their financial responsibility as a citizen, student, family member, consumer, and active participant in the business world. Dollars and Sense will provide a basic foundation for other business courses.

GLOBAL BUSINESS

Course ID: BUS3051
Prerequisite: None
Credit: 1/2 (Semester 1)
Grades: 11-12

Description: We live in an ever-expanding global marketplace, and many Waunakee students will eventually have careers in that marketplace. This course will provide students with an understanding of how and why businesses choose to expand their operations into other countries. Students will be exposed to the unique challenges facing corporations doing business internationally and to the potential opportunities and markets that are lost to corporations that choose not to do business in the global marketplace. Project based learning, global business simulations, professional presentations, and complex case studies will be incorporated into the curriculum.

MANAGEMENT & ETHICS

Course ID: BUS3041
Prerequisite: None
Credit: 1/2 (Semester 1)
Grades: 11-12

Description: Interested in a career in business or management? This course is designed to prepare students for a post-secondary education in business or a career in any type of management field. Management and Ethics focuses on Project Based Learning, Professional Presentations, and Complex Case Studies. Topics included in this course include the fundamentals of management, historical theories and theorists, global business, professional etiquette and ethics. Students will be collaborative learners by using

Schoology and other online learning tools to learn about the changing world of business leadership and management. Curriculum in this course helps prepare students for successful completion of the Principles of Management CLEP exam offered at many colleges and universities to earn college credits.

MARKETING 1

Course ID: BUS2021-2022
Prerequisite: None
Credit: 1.0 (Semester 1 & 2)
Grades: 10-12



Description: This foundation course focuses on value-based marketing and the marketing mix (product, price, place, and promotion). Junior and senior students enrolled in Marketing 1 will also be eligible to enroll concurrently in the Marketing Youth Apprenticeship. A requirement of the course is working the school store (Warrior Corner) for lab-based learning. Students are also encouraged to participate in DECA, the co-curricular organization. Units of study include: customer service, target marketing, ethics, consumer behavior, branding & pricing.

[Marketing 1 offers dual-credit options with Madison College.](#)

MARKETING 2

Course ID: BUS3021-3022
Prerequisite: Marketing 1 (C or higher) or Consent of Instructor
Credit: 1.0 (Semester 1 & 2)
Grades: 11-12

Description: This course is designed to expand upon the concepts from Marketing 1 with a focus on “real-world” marketing. Junior and senior students enrolled in Marketing 2 will also be eligible to enroll concurrently in the Marketing Youth Apprenticeship. It is suggested that students finishing the Marketing 2 coursework consider taking the CLEP Principles of Marketing Exam, which is the equivalent of an advanced placement test. More information is available from the instructor. The [ASK Certification](#) (industry specific exam) is available to all students who take this course. A requirement of the course is working the school store (Warrior Corner) for lab-based learning. Students are also strongly encouraged to participate in DECA, the co-curricular organization. Units of study include: market research, pricing, supply chain management, merchandising, promotion & advertising, sales & tourism marketing.

BUSINESS & INFORMATION TECHNOLOGY COURSES
Recommended For All High School Students



MS EXCEL AND ACCESS

Course ID: BUS2032
 Prerequisite: None
 Credit: 1/2 (Semester 2)
 Grades: 10-12



Description: Did you know that spreadsheet software is used in business as often as word processing software? Get the edge you need to succeed in college and business by taking MS Excel & Access. The course is designed to familiarize students with common uses of spreadsheets (MS Excel) and databases (MS Access) through practical applications and a Microsoft Office Certified textbook. Students will develop their software skills through independent and collaborative learning projects. Students will spend approximately eight weeks using Excel, five weeks using Access, and two weeks of other special integrated projects. MS Excel & Access offers dual-credit options with Madison College and both Microsoft Excel and Microsoft Access certification testing are available to all students who take this course.

MS OFFICE ADVANCED

Course ID: BUS1042
 Prerequisite: MS Office Basics
 Credit: 1/2 (Semester 2)
 Grades: 9-12



Description: The focus of MS Office Advanced is to challenge students through the mastery of Office Suite applications. Students will learn problem solving and other advanced administrative skills through hands-on projects and the use of a Microsoft Certified textbook that encourages independent thinking. This class will follow the same structure as the Madison College Beginning Word and Beginning PowerPoint courses. An emphasis will be placed on professionalism and time management skills through independent learning projects used throughout this course. MS Office Advanced offers dual-credit options with Madison College and both Microsoft Word and Microsoft PowerPoint certification testing are available to all students who take this course.

MS OFFICE BASICS

Course ID: BUS1031 OR BUS1032
 Prerequisite: Keyboarding Speed of 20 wpm or higher
 Credit: 1/2 (Semester 1 or 2)
 Grades: 9-12

Description: MS Office Basics emphasizes professional, business document formatting that will prepare the student for using the Office Suite in high school, college and at work. The focus of this course is to build and format documents using programs like Word and PowerPoint. This course combined with MS Office Advanced provides the opportunity for students to earn one dual credit with Madison College. Units of Study include: Memos, Emails, Letters, Reports, Tables, Electronic Presentations, Proofreading & Editing, Numbers & Symbols as well as reinforcing keyboarding skills.

SPORTS & ENTERTAINMENT MARKETING

Course ID: BUS4012
 Prerequisite: Marketing 1 & 2
 Credit: 1/2 (Semester 2)
 Grades: 12

Description: Turn on the television and you're likely to see a sporting event, an athlete trying to sell a product or brand, and/or the Grammy Awards. Sports & entertainment marketing is a multibillion-dollar industry. The sports industry has brought together sports and corporate America to create a dynamic partnership. Units of study include: evolution of sports marketing, marketing environment, sports entertainment consumption, segmenting audiences for sports, experiential marketing, sponsorship-linked marketing & preparing future sports marketers. This course specializes in one career area of marketing. [Virtual Business Simulation](#) through Knowledge Matters will be used.

VIDEO EDITING & DIGITAL DESIGN

Course ID: BUS3091
 Prerequisite: None
 Credit: 1/2 (Semester 2)
 Grades: 11-12

Description: Basic video editing for multimedia, video, and web capabilities are introduced in this course. Emphasis is placed on digital editing techniques, effects, audio, graphics, and titling. Techniques of video production including lighting, sound, videography, and post-production editing using Adobe Premiere Pro software and WeVideo are covered. Students explore career possibilities in this field and function as producers, directors, talent, and crew for multiple projects. This is a great class to prepare you for publishing video projects throughout high school.

WEB DESIGN

Course ID: BUS2092
 Prerequisite: None
 Credit: 1/2 (Semester 2)
 Grades: 10-12

Description: Web Design begins with an introduction to the basics of coding using HTML (hypertext markup language). This foundation provides students with the basic understanding of how web pages are created. It will enable students to solve coding issues when using Dreamweaver and styles. Multiple web pages are developed throughout this project-based learning environment.

Students entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a:

Finance Youth Apprenticeship or Hospitality, Lodging & Tourism or Information Technology or Marketing Youth Apprenticeship

These rigorous one- or two-year programs includes pathways for Business Financial Management, Banking & Related Services, Insurance, Restaurant Food & Beverage, Lodging, Tourism, Event Management, Maintenance & Grounds, Marketing & Sales, Professional Sales, Merchandising, Marketing Research, and Web & Digital Communications. Please refer to the "School to Career" section in the course handbook for more information on this work based learning opportunity that provides students with industry-defined occupational and employability skills.

COMMUNICATION ARTS



Course	Freshman	Sophomore	Junior	Senior
Advanced Composition			E	E
Advanced Creative Writing			E	E
Advanced English 9	E/R			
Advanced English 10		E/R		
AP English Language & Composition			E	
AP English Literature & Composition				E
American Literature			E	E
Creative Writing		E*	E	E
Digital Communications			E	E
Dramatic Literature			E	E
English 9	E/R			
English 10		E/R		
Mass Media			E	E
Modern Literature			E	E
Multicultural Literature – NEW!			E	E
Persuasion & Debate			E	E
Science Fiction Literature			E	E
Speech			E	E
Women's Literature			E	E
R=Fulfills Graduation Requirement at grade level E=Elective and the year student is eligible to take the course E*=Elective and available ONLY with Consent of Instructor				

ADVANCED COMPOSITION

Course ID: ENG3121
 Prerequisite: English 10 or Advanced English 10
 Credit: 1/2 (Semester 1)
 Grades: 11-12

Description: Advanced Composition is designed to improve all students' writing skills. Students should expect to write various types of essays and to revise and rewrite frequently and thoroughly. Types of writing include the Snapshot Essay, the Reflective Essay, the Descriptive Essay, the Definition Essay, the This I Believe Essay, the Argumentative Essay, and daily journals. Language skills taught include precise word choice, fluency, parallel structure, development of voice, use of sensory details, and figurative language. Points of emphasis include the writing process, revision strategies, organizational strategies, portfolio reflection, peer revision, and writing conferences.

ADVANCED CREATIVE WRITING

Course ID: ENG3112
 Prerequisite: Creative Writing
 Credit: 1/2 (Semester 2)
 Grades: 11-12

Description: Advanced Creative Writing will offer a forum for students to explore writing skills introduced in Creative Writing. Students will create a portfolio of writing that explores science fiction, historical fiction, literary fiction, and humor/satire. Focus will be on the writing process, revision skills, and literary techniques to improve writing. Much of the class is based on workshop-style instruction. Units of Study include: Science Fiction, Historical Fiction, Literary Fiction, Suspense or Fantasy Fiction, and Humor/Satire.

ADVANCED ENGLISH 9

Course ID: ENG1021-1022
Prerequisite: Advanced English 8 or Pathways Referral
Credit: 1.0 (Semester 1 and 2)
Grades: 9
Description: Advanced English 9 is designed to provide students who have a passion for literature and language with a solid foundation of analytical and communication skills. Integral parts of the course include composition, vocabulary, literature and use of the LMTC for research. Units of Study include: **Writing Skills:** Research Paper; Literary Analysis; Compare/Contrast Paper; Short Story. **Language:** Language skills will be reviewed throughout the year. Emphasis will be on understanding and using the parts of speech, sentence parts, punctuation and vocabulary. **Teacher's Choice:** Students will read at least two additional novels.

ADVANCED ENGLISH 10

Course ID: ENG2021-2022
Prerequisite: Advanced English 9 or Pathways Referral
Credit: 1.0 (Semester 1 and 2)
Grades: 10
Description: Successful completion of Advanced English 9. Students not in Advanced English 9 must be referred to Pathways Coordinator for evaluation by self, parent or teacher by January 30, and display need for Advanced English through evaluation process. This class is geared for students who have a passion for literature and writing and for those who have demonstrated superior skills in their Communication Arts classes. (Advanced English 10 builds on the foundation established in Advanced English 9.) The course is intended for students who have exceptional talent in English. Students review usage, punctuation, and sentence structure to further improve correctness in speaking and writing. Vocabulary study is intensive. Literature selections are challenging. (Advanced English 10 builds on the foundation established in Advanced English 9.) The importance of using correct language to enhance good communication is emphasized. In addition to a review of grammar and usage, students will study writing, vocabulary, and literature. **Writing Skills:** Major papers include a reflective essay, comparison/contrast essay, research paper, & literary analysis. **Language:** Review of usage, punctuation, and sentence structure. **Literature:** Short stories & novels. Shakespearean drama, poetry.

ADVANCED PLACEMENT ENGLISH LANGUAGE & COMPOSITION

Course ID: ENG3051-3052
Prerequisite: English 10 or Adv. English 10
Credit: 1.0 (Semester 1 and 2)
Grades: 11 (12 with Instructor Consent)
Description: AP English Language and Composition is offered to juniors (and seniors with consent of instructor) who have completed English 10 or Advanced English 10. This college-level class asks students to make and analyze arguments related to a number of contemporary and historical issues, focusing on the ways authors make compositional choices related to purpose and audience. Students must demonstrate their abilities to read non-fiction texts analytically through annotation, written responses to prompts, and small and large-group discussions. Students will read a minimum of two non-fiction books, two literary novels, and numerous essays and speeches. Student essays will incorporate argument, analysis, description, and definition to create complex and sophisticated pieces. Students will also complete projects, including a podcast.

Since this is a college-level class, students should possess a strong work ethic, and interest in developing critical thinking, reading, writing, and speaking skills. Topics of Study include Rhetorical Analysis, Argument, Synthesis, Debate, Satire, Civil Disobedience, AP Exam Practice, and others.

ADVANCED PLACEMENT LITERATURE & COMPOSITION

Course ID: ENG4021-4022
Prerequisite: American Literature OR AP Language & Composition (Minimum grade of B recommended)
Credit: 1.0 (Semester 1 and 2)
Grades: 12
Description: Advanced Placement Literature and Composition is designed for those students who have an aptitude for and a special interest in reading, discussing, and writing about challenging literature. Students choosing this class should enjoy studying British and American literature of various periods and genres. The class curriculum emphasizes works of recognized literary merit, worthy of study because of their richness of thought and language. At the conclusion of the course, students may choose to take an advanced placement exam to earn college credit. Units of Study include: **Writing**-Daily reading response papers and frequent literary analysis papers; **Literature**-Short stories, novels, dramas, poetry; and **Vocabulary**-Ongoing.

AMERICAN LITERATURE

Course ID: ENG3022
Prerequisite: English 10 or Advanced English 10
Credit: 1/2 (Semester 2)
Grades: 11-12
Description: This course is meant to explore the history, culture, and values of America as portrayed by literature. To accomplish this, students will read collections of short stories, novels, and poetry from various historic and literary time periods and discuss how these works reflect our society. Emphasis will be placed on the literary movements and themes common in each work. Students taking this class should expect to display their knowledge through daily discussion, projects, journals, and analytical essay writing. Areas of Study: Native American Mythology, Romanticism, Transcendentalism, Naturalism, Modernism, Post-Modernism.

CREATIVE WRITING

Course ID: ENG3101-3102
Prerequisite: English 10 or Advanced English 10
Credit: 1/2 (Semester 1 or 2)
Grades: 11-12
Description: Sophomores **may** enroll with consent of Instructor. Advanced Composition is strongly encouraged before enrollment in Creative Writing. Students will learn how to write poetry, stories, and other forms within a writing workshop environment that emphasizes student growth and reflection, peer review, and student-teacher conferences.

DIGITAL COMMUNICATIONS

Course ID: ENG3231 AND/OR ENG3232
Prerequisite: English 10 or Advanced English 10
Credit: 1/2 (Semester 1 and/or 2)
Grades: 11-12
Description: This course is designed to introduce students to the study of techniques used in entertainment production, as well as career

pathways such as TV/Video/Radio Production, Marketing, Graphic Design, Photography, and Facility & Team Operations. Pathways will be discussed through the lens of our Warrior Stadium video board and Warrior Media Productions. Students will also evaluate exemplars in collegiate & professional media productions such as those used by the Packers, Bucks, Brewers, and Badgers. Students will learn software used by these entities to create content (i.e. Photoshop, Premiere Pro, After Effects, Canva, etc.) as well as the Daktronics suite of software used by professional & collegiate teams for game day productions. Students may apply to work for Warrior Media. Students who complete this course may qualify for the Daktronics Crew Connect program which provides students who are exceptional in event production with jobs at colleges and universities across the country. Students may repeat this course once for a maximum of 1.0 English credits. *Note, certain universities may view this course as an elective credit.

DRAMATIC LITERATURE

Course ID: ENG3061
Prerequisite: English 10 or Advanced English 10
Credit: 1/2 (Semester 1)
Grades: 11-12

Description: Students will grow in their knowledge and understanding of theatre. Emphasis will be placed on analyzing the plays and characters of many different time periods in an effort to understand the art form and its place in society and history. Students will learn about all aspects of the theatre and its literature. Students will be expected to complete in depth studies of plays and characters through oral and written work. Units of Study include: 20th Century Theatre, Greek and Roman Theatre, Terminology, Medieval Theatre, 9th Century Theatre, Asian Theatre Introductory, Italian and Spanish Theatre, and Elizabethan Theatre.

ENGLISH 9

Course ID: ENG1011-1012
Prerequisite: None
Credit: 1.0 (Semester 1 & 2)
Grades: 9

Description: English 9 is designed to provide students with a solid foundation of analytical and communication skills. To improve students’ abilities to communicate, critical reading, writing, and thinking skills are stressed. Other integral parts of the course include developing vocabulary, grammar, and research skills. **Writing Skills:** The writing process will be incorporated throughout the year. Writings include research paper, compare/contrast paper, analytical essay, and informal writing. **Language:** Language skills will be reviewed throughout the year. Emphasis will be on understanding and applying grammatical usage rules in their writing. **Literature:** Students will analyze literary devices and themes in a variety of short stories. *The Odyssey, Romeo & Juliet* and a dystopian unit featuring reading *Anthem* followed by a choice of an additional dystopian novel.

ENGLISH 10

Course ID: ENG2011-2012
Prerequisite: English 9
Credit: 1.0 (Semester 1 & 2)
Grades: 10

Description: English 10 builds on the foundation established in English 9. The importance of using correct language to enhance good communication is emphasized. In addition to a review of grammar

and usage, students will study writing, vocabulary, and literature. **Writing Skills:** Students will use the writing process throughout the year. Reflective Essays; Compare/Contrast Essays; Persuasive Essays; Research Essay. **Language:** Students will review and practice language skills throughout the year. Language usage and vocabulary skills are emphasized throughout the year. **Literature:** Students will read and discuss a variety of literature throughout the year. Students will read short stories, dramas, poems, fiction and non-fiction.

MASS MEDIA

Course ID: ENG3222
Prerequisite: English 10 or Advanced English 10
Credit: 1/2 (Semester 2)
Grades: 11-12

Description: Students will examine mass communications such as television, film, popular music, radio, advertising, and social media. Emphasis will be placed on standards of quality of these forms and how they influence attitudes and values. Students will be required to do several media-related projects, which will demonstrate their understanding of how different media work and how they affect the audience and society’s values. This course will lead to improved critical thinking as a consumer for each medium. Units of Study include: Communication Process; Advertising- Marketing & the Influence of Social Media, The Aural Media (radio & music), and The Visual Media (television and film) with emphasis.

MODERN LITERATURE

Course ID: ENG3011
Prerequisite: English 10 or Advanced English 10
Credit: 1/2 (Semester 1)
Grades: 11-12

Description: Modern Literature students develop their ability to analyze contemporary texts through a range of lenses. Students will express their ideas through writing, discussion, presentation, and reflection. All texts have been published within the lifetime of the student and include (please click on each title to view its book trailer video) [The Road](#) by Cormac McCarthy; [The Book Thief](#) by Markus Zusak; and books chosen by students. Literary lenses: Psychological, Gender, Marxist, Archetypal, and Deconstruction. Average reading assignment is about 45 pages between classes.

MULTICULTURAL LITERATURE

Course ID: ENG3072
Prerequisite: English 10 or Advanced English 10
Credit: 1/2 (Semester 2)
Grades: 11-12

Description: This course focuses on world literature by and about people of diverse ethnic backgrounds, specifically those who have been underrepresented in traditional curriculum. Students will explore themes of linguistic and cultural diversity by comparing, contrasting, analyzing, and critiquing writing styles and universal themes. Students will write expository, analytical, and response essays. Students will observe, listen critically, and respond to written and oral communication. A critical aspect of this course is that the material and units not only broaden students’ understanding of a variety of cultures, but that it focuses on both the struggle and the successes of these underrepresented groups. The focus will be to create awareness and understanding of both triumphs and tribulations.

PERSUASION & DEBATE

Course ID: ENG3212
Prerequisite: English 10 or Advanced English 10
Credit: 1/2 (Semester 2)
Grades: 11-12

Description: Speech is recommended, but not required. Persuasion & Debate is a class for students who wish to sharpen their communication skills. Students will be called on to research and write persuasive papers, deliver a persuasive speech, to participate in formal group discussions, to participate in formal debates, and to learn to practice parliamentary procedure. Students will also prepare written analysis of current and historic debates, discussions and speeches to come to a better understanding of how to use the written word and oral communication skills to become a better overall communicator. Units of Study include: Persuasion, Debate, Group Discussion, and Parliamentary Procedure.

SCIENCE FICTION LITERATURE

Course ID: ENG3032
Prerequisite: English 10 or Advanced English 10
Credit: 1/2 (Semester 2)
Grades: 11-12

Description: Writers of science fiction often use the mystery of “the future” to speculate on the course of humanity. They use technology, alien cultures, and far away landscapes to symbolize current events, and modern day problems. At the same time, they ask us to reflect on how we can change the present to make the best of our future. Students taking this course will be expected to read a collection of novels and short stories by various authors of science fiction. Students should also expect to engage in daily discussion, debate, analytical writing projects, and the maintenance of a class reaction blog to various issues in science and technology.

SPEECH

Course ID: ENG3201
Prerequisite: English 10 or Advanced English 10
Credit: 1/2 (Semester 1)
Grades: 11-12

Description: Speech is a performance-oriented class in which students receive instruction in good speaking and listening skills, as well as the communication process and how to use communication skills in everyday life. Students give 6-8 major speeches in addition to several impromptu activities/speeches. Students will be expected to practice good listening skills as well as evaluate the speeches they hear. Units of Study include: Communication Process; Delivery Skills and Nonverbal Communication, Imaginative Communication; Effective Communication; Informative Communication. Types of Speeches: Introductory, Informative, Oral Interpretation, Demonstration, Impromptu, Entertainment, Eulogy/Recognition.

WOMEN’S LITERATURE

Course ID: ENG3041
Prerequisite: English 10 or Advanced English 10
Credit: 1/2 (Semester 1)
Grades: 11-12

Description: Women’s Literature is a course for students who want to read literature written by women that focuses on the experiences of girls and women. Students will examine contemporary novels, short stories, and poetry that express female voices from various cultures and social backgrounds. Students will read, reflect, discuss, write, and create projects that relate to themes presented in the literature. They will consider issues of identity as these relate to young women’s understanding of themselves and their place in the world and relationships.

COMPUTER SCIENCE



Course	Freshman	Sophomore	Junior	Senior
AP Computer Science A			E	E
Computational Thinking	E	E	E	E
Computer Science I		E	E	E
Computer Science II		E	E	E
Game Design	E	E	E	E
IT Essentials		E	E	E

E = Elective and the year student is eligible to take the course

ADVANCED PLACEMENT COMPUTER SCIENCE A

Course ID: CSC3011-3012
Prerequisite: Computer Science II
Credit: 1.0 (Semester 1 & 2)
Grades: 11-12

Description: Students will be able to take the Computer Science A Exam in the spring. This course emphasizes object-oriented programming with a concentration on problem solving and algorithm development. It also includes the study of data structures,

design, and abstraction. This course is meant to be the equivalent of a first-semester college level course in Computer Science and most colleges will be expected to grant advanced placement credit. Units of Study include: Program design, Object-oriented design, Implementation techniques, Programming constructs, Java library classes, Testing/Debugging, Data Structures, Standard Algorithms.

COMPUTATIONAL THINKING

Course ID: CSC1011 OR CSC1012
Prerequisite: None
Credit: 1/2 (Semester 1 or 2)
Grades: 9-12
Description: This course emphasizes thinking, collaboration, and problem-solving. Students learn skills fundamental to succeeding in tackling real-life problems. Topics include communication, problem solving, abstract thinking, information theory, computer and Internet culture, and higher-level thinking. Units of Study include: Creative thinking, cooperation and teamwork, computer hardware, problem solving, logic, information theory, and cryptography.

COMPUTER SCIENCE I

Course ID: CSC2011 OR CSC2012
Prerequisite: Game Design, Comp Thinking, Algebra I, and Keyboarding Skills
Credit: 1/2 (Semester 1 or 2)
Grades: 10-12
Description: This course is an introduction to how computers operate. Students will learn about computer components and how to build a computer. Students will create programs that can run on any computer using the VB.NET programming language. Students will be exposed to current programming techniques in problem solving situations and will also apply the skills that they learn to real life applications such as computer games, databases, point-of-sale systems, etc. Programming skills gained in this course can be applied to any other programming language. Units of Study include: Graphical User Interface design, VB.NET, Software Engineering, Problem Solving, Object Oriented Programming, Computer Ethics and Algorithm design.

COMPUTER SCIENCE II

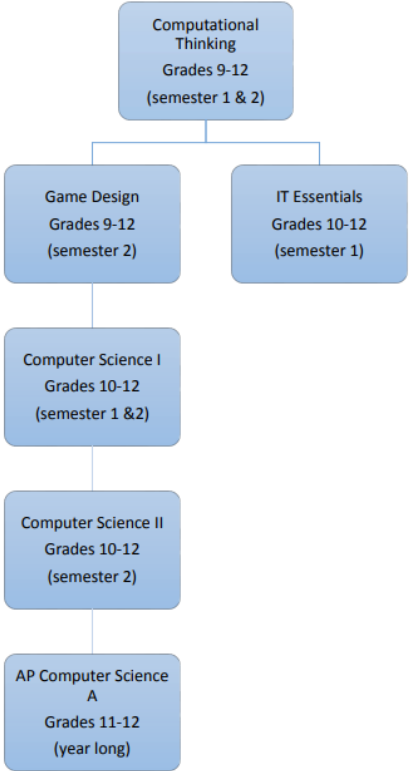
Course ID: CSC2022
Prerequisite: Computer Science I
Credit: 1/2 (Semester 2)
Grades: 10-12
Description: This course is designed to build upon the programming skills gained in Computer Science I. Students will become familiar with more advanced programming techniques. Students will also design, implement, and publish their own programs. Career choices in information technology will also be explored. Units of Study include: Data Structures, Arrays, Program Design & Development, Application Design, and Student-Managed Design.

GAME DESIGN

Course ID: CSC1022
Prerequisite: Comp Thinking, access to Video/Web Games
Credit: 1/2 (Semester 2)
Grades: 9-12
Description: This class studies games and game design, and allows students to create their own games. Students study game theory, problem-solving techniques, and best design practices. Topics also include games in the modern world, and the emerging trend toward games in social networking, marketing, economics, and system modeling. Units of Study include: Game design, games and society, game theory, systems analysis, emergent behavior, scripting, artificial intelligence, and logic.

IT ESSENTIALS

Course ID: CSC2031
Prerequisite: Computational Thinking
Credit: 1/2 (Semester 1)
Grades: 10-12
Description: This course presents an in-depth exposure to computer tasks such as installation, configuration, diagnosing, preventive maintenance and basic networking and operating systems. Students learn computer security, safety and environmental issues and communication and professionalism in technology fields. Through hands-on activities and labs, students learn how to install and configure hardware, drivers and troubleshoot computer technology. This course is the first step towards professional certification. Units of Study include: Computer components, basic networking, computer hardware, Windows operating system, troubleshooting, and computer system architecture.



Students entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a:

Information Technology Youth Apprenticeship

This rigorous one- or two-year program includes pathways for General IT, Network Systems and Information Support & Services, Programming & Software Development and Information Support & Services, and Web & Digital Communications. Please refer to the “School to Career” section in the course handbook for more information on this work based learning opportunity that provides students with industry-defined occupational and employability skills.

FAMILY AND CONSUMER SCIENCES



Course	Freshman	Sophomore	Junior	Senior
Baking & Pastry Arts		E	E	E
Child Care I		E	E	E
Child Care II			E	E
Creative Fashions		E	E	E
Culinary Arts I	E	E	E	E
Culinary Arts II		E	E	E
Culinary Arts III			E	E
Fashion & Fabrics	E	E	E	E
Interior & Housing Services		E	E	E
Personal Relationships				E

E = Elective and the year student is eligible to take the course

BAKING & PASTRY ARTS

Course ID: FCS2111 OR FCS2112
Prerequisite: Culinary Arts I
Credit: 1/2 (Semester 1 or 2)
Grades: 10-12

Description: Students with a strong interest in baking have the opportunity to explore the culinary field of baking and pastry-making in greater depth. This semester baking and pastry course will expand upon the baking unit featured in Culinary Arts I. Students would create more complex recipes as well as access their artistic abilities. The students will produce breads, specialty cookies, pastries, and decorated cakes in the culinary classroom. Whether students choose to pursue a culinary career or simply enjoy baking; this course gives students the opportunity to apply their knowledge and build their overall confidence in the kitchen.

CHILD CARE I

Course ID: FCS2101
Prerequisite: None
Credit: 1/2 (Semester 1)
Grades: 10-12

Description: Students will study child development, parenting, and its responsibilities. Units of Study: Study of infants, toddlers, preschool and school-aged children, theories of child development, parenting skills and responsibilities, prenatal development, pregnancy, labor and birth. Students will have the opportunity to work with the baby simulators and participate in the student run preschool.

CHILD CARE II

Course ID: FCS3102
Prerequisite: Child Care I (C or better)
Credit: 1/2 (Semester 2)
Grades: 11-12

Description: This course is designed for the student who is interested in pursuing a career in a licensed daycare center or the field of education. Students will be eligible to receive state certification as an Assistant Child Care Teacher (ACCT) and earn three credits toward advanced standing at Madison College. Units of Study include: history of child care, licensing rules & regulations, equipping a child care center, child care center environment, teaching techniques, sudden infant death syndrome (SIDS), shaken baby syndrome (SBS) training. Students will have the opportunity to observe and work with children at local child care centers.

CREATIVE FASHIONS

Course ID: FCS2022
Prerequisite: Fashion & Fabrics (C or better)
Credit: 1/2 (Semester 2)
Grades: 10-12

Description: Emphasis is on creativeness in sewing, advanced sewing techniques, and clothing construction. Units of Study include: fashion design, career exploration, batik, tie-dye, upcycling clothing, use of the serger, embroidery machine, knitting, crocheting and more!

CULINARY ARTS I

Course ID: FCS1011 OR FCS1012
Prerequisite: None
Credit: 1/2 (Semester 1 or 2)
Grades: 9-12

Description: Students will practice using a variety of cooking methods and equipment and will have the opportunity to participate in cooking labs. Units of Study include: nutrition and diet analysis, safety and sanitation, recipe reading and interpretation, fruits and vegetables, quick breads, dairy, grains, meats and other proteins, meal preparation and presentation.

CULINARY ARTS II

Course ID: FCS2012
Prerequisite: Culinary Arts I (C or better)
Credit: 1/2 (Semester 2)
Grades: 10-12

Description: The Food Service Industry is the fastest growing industry in the United States. This class will provide you with an introduction to the Food Service Industry. You will develop the skill in making food look and taste good. There will be many projects to provide you the opportunity to prepare foods in large quantities. A major highlight of this class is to select, prepare and market a food product. The results help students experience the business world first-hand. Another highlight of this course is to test recipes, prepare and serve a restaurant-style meal for selected customers. When you complete this course, you will know whether you are interested in a future in the Food Service Industry. Units of Study include: Banquet and catering services; Gourmet style recipes; Yeast breads; Kitchen cleanup and sanitation; Food service equipment usage; Food garnishing; Group enterprise project; Quantity cooking; and Recipe selection and interpretation.

CULINARY ARTS III

Course ID: FCS3011-3012
Prerequisite: Culinary Arts II
Credit: 1.0 (Semester 1 and 2)
Grades: 11-12

Description: This two-semester course using the ProStart curriculum involves an in-depth study of the cooking techniques and culinary terminology that were previously explored in Foods and Nutrition and Flair with Foods. Students have the opportunity to practice their culinary skills when they prepare and present foods to guests in a restaurant-like setting. Students have the potential to become: ProStart certified, ServSafe certified, state competitors at the Wisconsin Restaurant Association Annual Convention and qualified for culinary scholarships through the WRA.

FASHION & FABRICS

Course ID: FCS1022
Prerequisite: None
Credit: 1/2 (Semester 2)
Grades: 9-12

Description: In this course, students will learn about the fashion industry, fashion designers, the history of fashion, and careers within the fashion industry as well as an introduction to basic sewing skills including hand and machine stitching, serging, selection of fabrics, and use of patterns. Sewing machines are used to complete individual clothing projects. Students must purchase their own materials and supplies.

INTERIOR & HOUSING SERVICES

Course ID: FCS2032
Prerequisite: None
Credit: 1/2 (Semester 2)
Grades: 10-12

Description: This course explores the psychological, physiological and sociological needs of individuals in relation to housing as well as ways they can meet those needs by enhancing their surroundings. The information learned in this class will serve as an introduction to a career in interior design. Units of Study include: selecting and

arranging furniture; recognizing factors that influence housing, principles of design and application, recognizing basic architectural and furniture styles, practicing consumer rights and responsibilities related to housing, hands-on interior design projects, and career exploration.

PERSONAL RELATIONSHIPS

Course ID: FCS4201
Prerequisite: None
Credit: 1/2 (Semester 1)
Grades: 12

Description: Personal Relationships is designed on the premise that guided preparation for relationships and marriage is necessary for individuals living in our complex, fast-changing society. This course will be most helpful to the mature student who is interested in preparing for their role as a responsible adult, marriage partner, and parent. Units of Study include: Friends and pressure situations; Breaking up and dating abuse; Criteria for a healthy marriage; Values & goals; Attractions & infatuations; Communication skills; Principles of smart relationships; Teen pregnancy; Love and intimacy; Sexually transmitted diseases and prevention; Maturity issues; and Acquaintance and date rape.

Students entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a:

**Hospitality, Tourism & Lodging
Youth Apprenticeship**

This rigorous one- or two-year program includes a pathway for Restaurant & Food & Beverage Services. Please refer to the “School to Career” section in the course handbook for more information on this work based learning opportunity that provides students with industry-defined occupational and employability skills.

HEALTH AND HEALTH SCIENCE EDUCATION



Course	Freshman	Sophomore	Junior	Senior
Advanced Health			E	E
Foundations of Health Care Delivery	E	E	E	E
Health & Wellness		R	R	
Health Science Occupations	E	E	E	E
Medical Terminology		E	E	E
R = Fulfills Graduation Requirement at grade level E = Elective and the year student is eligible to take the course.				

ADVANCED HEALTH

Course ID: HLT3031 OR HLT3032
Prerequisite: Health & Wellness
Credit: 1/2 (Semester 1 or 2)
Grades: 11-12
Description: Through field trips, guest speakers, and hands-on activities, students will delve into the many other aspects of health. This includes the importance of nature/mind/body connection, conflict resolution, and personal health and safety. Students will also learn about many sides of cancer and the different health professions that are available. This includes life and wellness coaching and personal training.

FOUNDATIONS OF HEALTH CARE DELIVERY

Course ID: HLT1021 OR HLT1022
Prerequisite: None
Credit: 1/2 (Semester 1 or 2)
Grades: 9-12
Description: Preparing future health care professionals with the knowledge and skills necessary to provide quality, patient-centered, safe, efficient, effective and equitable care. This course offers a foundation for all students wishing to enter any health care profession. We will explore legal and ethical issues, build cultural competence and examine cultural barriers. Students will develop skills in patient assessment and demonstrate effective communication of medical information. We will explore the human body, wellness practices and leading causes of death.

HEALTH & WELLNESS

Course ID: HLT2041 OR HLT2051 OR HLT2062 OR HLT2072
Prerequisite: None
Credit: 1/4 (Quarter 1, 2, 3, or 4)
Grades: 10-11
Description: The health units that will be covered during the quarter long class will be: Know your body, Drugs, Mental Health, STDs, Sexual Assault and Bullying. Also included are many teaching and learning styles to reach all students.

HEALTH SCIENCE OCCUPATIONS

Course ID: HLT1011 OR HLT1012
Prerequisite: None
Credit: 1/2 (Semester 1 or 2)
Grades: 9-12

Description: Get a jump start on a career in the rapidly growing health care industry! Explore careers in the following areas: Nursing, Rehabilitation, Laboratory, Dental Health, Mental Health, Radiology, Emergency Medicine, Environmental Health, Medical Office and Health Informatics. Students will demonstrate infection control and safety practices as well as basic technical skills such as obtaining vital signs.

MEDICAL TERMINOLOGY

Course ID: HLT2021 OR HLT2022
Prerequisite: None
Credit: 1/2 (Semester 1 or 2)
Grades: 10-12
Description: This course offers dual credit options with Madison College. The focus is on communication using the medical language. Students practice formation, analysis and reconstruction of medical terms. Component parts of medical terms including word roots, prefixes, and suffixes are emphasized. Both the written and spoken formats for using language will be addressed including word construction, definition, spelling, and pronunciation of medical terms and interpretation of written materials. Course format is face to face and online.

Suggested, Not Required, Health Science Sequence

- 1. Health Science Occupations
- 2. Foundations of Health Care Delivery
- 3. Medical Terminology

Students entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a:

Health Science Youth Apprenticeship

This rigorous one- or two-year program includes pathways for Therapeutic Services, Health Informatics, Certified Nursing Assistant, Pharmacy Tech, and Ambulatory Support Services. Please refer to the “School to Career” section in the course handbook for more information on this work based learning opportunity that provides students with industry-defined occupational and employability skills.

MATHEMATICS



Course	Freshman	Sophomore	Junior	Senior
Algebra I	E	E		
Advanced Algebra	E	E	E	E
AP Calculus AB				E
AP Calculus BC				E
AP Statistics			E	E
FST- Functions, Statistics, and Trigonometry		E	E	E
FST/Pre-Calculus (APPLICATION REQ'D)		E	E	
Geometry	E	E	E	
Intro to Discrete Math			E	E
Intro to Statistics			E	E
Pre-Calculus			E	E
Senior Mathematical Reasoning (formerly Senior Algebra)				E

E = Elective and the year student is eligible to take the course.

Waunakee Community School District – Mathematics Sequence

	Option I	Option II	Option III	Option IV	Option V Pathways Placement
5	Go Math 5	Go Math 5	Go Math 5	Go Math 5	Go Math 6
6	Go Math 6	Go Math 6	Go Math 6	Go Math 6	Go Math 7
7	Go Math 7	Go Math 7A	Go Math 7	Go Math 7	Algebra 1
8	Algebra 1	Pre-Algebra	Algebra 1	Algebra 1	Geometry
9	Geometry	Algebra 1	Geometry and Advanced Algebra (double up*)	Geometry	Advanced Algebra
10	Advanced Algebra	Geometry	FST	Advanced Algebra	FST
11	FST	Advanced Algebra	Pre-Calculus	FST/Pre-Calculus (compacted)*	Pre-Calculus
12	Pre-Calculus, AP Stats, and/or Intro Stats/Discrete	FST, Intro Stats/Discrete or Senior Math Reasoning	AP Calculus AB and/or AP Stats	AP Calculus AB and/or AP Stats	AP Calculus AB and/or AP Stats

- ❖ Course options exist after successful completion of Adv. Algebra including Intro to Stats/Intro to Discrete math, AP Statistics, and Senior Math Reasoning. The two statistics courses can be taken on their own or in conjunction with FST or another advanced math course. Senior Math Reasoning is for 12th graders only.
- ❖ Other options may exist for identified individual students through the District Pathways program and/or mathematics department recommendation. The district does provide ways for students to reach AP Calculus BC when the need arises. All acceleration below high school involves Pathways placement.
- ❖ FST/Pre-Calculus is a compacted course. Students interested in this course must complete an application process and meet the criteria in order to take the class. Students interested in "doubling up" in Geometry and Advanced Algebra should seek recommendation by a teacher.
- ❖ RTI workshops will run parallel to each math course at the middle school and high school for students identified as needing additional instruction and support.

ALGEBRA I

Course ID: MAT1011-1012
Prerequisite: None
Credit: 1.0 (Semester 1 and 2)
Grades: 9-10

Description: Students will be expected to have a scientific calculator. This course introduces students to the fundamental concepts of algebra. Units of Study include: Operations, Equations, Inequalities, Ratios and Proportions, Graphing Linear Equations, Systems of Equations, Exponential Functions, Powers and Roots, and Introduction to Quadratic Functions.

ADVANCED ALGEBRA

Course ID: MAT2011-2012
Prerequisite: Geometry
Credit: 1.0 (Semester 1 and 2)
Grades: 9-12

Description: Students enrolling in this course must have minimally earned a passing grade in Geometry and will be expected to have a graphing calculator, preferably a Texas Instruments TI-83 Plus or TI-84 model. Advanced Algebra emphasizes facility with algebraic expressions and forms, especially linear, quadratic, powers, roots, and functions based on these concepts. Students will study logarithmic, trigonometric, polynomial, and other special functions both for their abstract properties and as tools for modeling real-world situations.

GEOMETRY

Course ID: MAT1021-1022
 Prerequisite: Algebra I
 Credit: 1.0 (Semester 1 and 2)
 Grades: 9-11

Description: Students will be expected to have a scientific calculator. This course formally develops a student's understanding of geometry. Students will use numerous examples and applications from the outside world along with hands on activities to develop a formal understanding of points, lines, angles, polygons, circles, three dimensional figures, transformations, congruence, similarity and proofs. Algebraic skills will be utilized. Units of Study include: Introduction to Geometry and Coordinate Geometry; Angles; Transformations; Introduction to Proof Writing; Polygons and Quadrilateral Properties; Perimeter and Area Circles; Surface Area and Volume; Similarity; Trigonometry and Constructions.

INTRO TO DISCRETE MATH

Course ID: MAT3052
 Prerequisite: Advanced Algebra
 Credit: 1/2 (Semester 2)
 Grades: 11-12

Description: This course will introduce the topics of Euler paths & circuits, Voting methods, and Counting methods. Applications of these topics to real world scenarios will be covered.

INTRO TO STATISTICS

Course ID: MAT3041
 Prerequisite: Advanced Algebra
 Credit: 1/2 (Semester 1)
 Grades: 11-12

Description: This course will focus on three main topics: Data collection, Data analysis, and Statistical significance. Students will learn how to collect data worthy of being analyzed by exploring topics of sampling, creating surveys, and designing experiments. They will then learn how to summarize and present data numerically and graphically. Students will also explore what it means for data to be statistically significant and will use simulation techniques and technology to answer statistical questions.

FST - FUNCTIONS, STATISTICS & TRIGONOMETRY

Course ID: MAT3011-3012
 Prerequisite: Advanced Algebra
 Credit: 1.0 (Semester 1 and 2)
 Grades: 10-12

Description: Students must have successfully completed Advanced Algebra prior to enrolling in this course. Students should have a graphing calculator, preferably a TI-83 Plus or TI-84 model. FST is designed to reinforce and extend mathematical concepts from previous mathematics courses, in addition to studying advanced topics from algebra, statistics, trigonometry, and probability. Units of Study include: Review of Function Families, Transformation of Functions, Descriptive Univariate Statistics, Trigonometry, Polynomials, Sequences & Series, Logarithms, and Probability.

FST/PRE-CALCULUS

Course ID: MAT3021-3022
 Prerequisite: Advanced Algebra and Approved Application
 Credit: 1.0 (Semester 1 and 2)
 Grades: 10-11

Description: Students interested in taking this course should speak with

their Advanced Algebra teacher to fill out an application for consideration. Only students whose application was approved by the WHS Math Department may sign up for this course. Recommendations will be based on performance in Advanced Algebra, standardized test scores (Plan, Explore, MAP), and additional criteria listed on the student application. This compacted FST/Pre-Calculus course is designed to allow students an opportunity to take AP Calculus in high school. It will combine those topics in FST and Pre-Calculus that are most essential to success in AP Calculus in a single course, and will deemphasize those topics (such as statistics and probability) that do not carry over to Calculus. Students considering this course need to be aware that some of the skipped topics of statistics, probability, and discrete math are important foundational topics in other areas of math that they might need to remediate should they want to pursue non-calculus math courses later in high school or college. Units of Study include: Review of function families; Transformations of functions; Trigonometry; Parametric equations, Polynomial functions, Rational functions, Rates of change (introduction to derivatives and integrals) and Sequence and series.

PRE-CALCULUS

Course ID: MAT4021-4022
 Prerequisite: Functions, Statistics & Trigonometry
 Credit: 1.0 (Semester 1 and 2)
 Grades: 11-12

Description: Students must have successfully completed FST prior to enrolling in this course. Students should have a graphing calculator, preferably a Texas Instruments TI-83 Plus or TI-84 model. Pre-Calculus expands and reinforces the algebraic skills required for success in Calculus. Students who intend to take Calculus or are planning a STEM career should take this course. Units of Study include: Rates of change – introduction to derivatives and integrals; Trigonometry; Parametric Equations; Polynomial Functions; Rational Functions; Solving Equations; Counting Methods, and Conic Sections.

ADVANCED PLACEMENT CALCULUS AB

Course ID: MAT4031-4032
 Prerequisite: FST/Pre-Calculus or Pre-Calculus
 Credit: 1.0 (Semester 1 and 2)
 Grades: 12

Description: Students enrolling in this course must have taken Pre-Calculus, have a strong foundation, desire, and purpose to study calculus and have adequate time available to meet the demands of the course. Students are required to have a graphing calculator, preferably a Texas Instruments TI-83 Plus or TI-84 model. At the completion of the course, students may elect to take the [Advanced Placement Calculus AB Exam](#) to earn college credit. Units of Study include: Numerical Techniques; Implicit Differentiation; Indefinite Integrals; Exponential Functions; Limits of Functions; Definite Integrals; Related Rates; Continuity; The Fundamental Theorem; Inverse Trigonometric Functions; Definition of a Derivative; Applications of Derivatives; The Mean Value Theorem; Differentiation Rules; Natural & Common Logarithms; Applications of Integration; Curve Sketching; and Optimization.

ADVANCED PLACEMENT CALCULUS BC

Course ID: MAT4041-4042
 Prerequisite: AP Calculus AB
 Credit: 1.0 (Semester 1 and 2)
 Grades: 12

Description: AP Calculus BC includes calculus topics that are typically encountered beginning in College Calculus I up through the end of College Calculus II. Topics will follow the College Board's AP Calculus BC course description and emphasize differential calculus and integral calculus, including applications involving parametric and polar curves, sequences, and series.

ADVANCED PLACEMENT STATISTICS

Course ID: MAT3031-3032
Prerequisite: FST
Credit: 1.0 (Semester 1 and 2)
Grades: 11-12 (10 with Instructor Consent)
Description: Students must have successfully completed FST to enroll in this course. This course may be taken concurrently with Pre-Calculus, AP Calculus, or FST/Pre-Calculus. Strong math students may take AP Stats concurrently with FST (as a sophomore), with instructor consent. Students will need a graphing calculator, preferably a Texas Instruments TI-83 Plus or TI-84 model. At the completion of the course, students may elect to take the [Advanced Placement Statistics Exam](#) to earn college credit. Units of Study include: Analysis of univariate data (one variable statistics); Analysis of bivariate data and regression models; Experiment design; Inference (Hypothesis Testing, Confidence Intervals); Probability, and AP Exam prep.

SENIOR MATHEMATICAL REASONING

Course ID: MAT4001-4002
Prerequisite: Advanced Algebra
Credit: 1.0 (Semester 1 and 2)
Grades: 12
Description: **(Formerly Senior Algebra)** All students need to be able to make reasonable decisions about fiscal, environmental, and health issues that require quantitative reasoning skills. A collaborative, activity-based approach is used in this course to explore numerical relationships, graphs, proportional relationships, algebraic reasoning, and problem solving using linear, exponential and other mathematical models. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts. This course is not designed for seniors who will be majoring in Science, Engineering, or Math in college and/or others who require calculus. This course is a dual credit course offered in conjunction with the Madison College course "Math Reasoning."



Students entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a:

Science, Technology, Engineering & Math (STEM) Youth Apprenticeship

These rigorous one- or two-year programs include pathways for Engineering and Biosciences. Please refer to the "School to Career" section in the course handbook for more information on this work based learning opportunity that provides students with industry-defined occupational and employability skills.

MUSIC



Course	Freshman	Sophomore	Junior	Senior
Band		E	E	E
Chorale	E	E	E	E
Concert Band	E			
Concert Choir		E	E	E
Jazz Improvisation	E	E	E	E
Music History	E	E	E	E
Music Theory & Composition	E*	E	E	E
Philharmonic Orchestra	E	E		
Sonoro (formerly Grazioso)			E	E
Symphony Orchestra			E	E

E = Elective and the year student is eligible to take the course.
E*=Elective and available ONLY with Consent of Instructor

BAND

Course ID: MUS2011-2012
Prerequisite: None
Credit: 1.0 (Semester 1 and 2)
Grades: 10-12
Description: All band students are together to form the marching band which begins with summer rehearsals (band camp the week of the Waunafest parade) and performances (Waunafest parade, WI Dells parade in September, home football games) and when school begins through October and possibly into November with football play offs. In late October, the marching band transitions to two concert bands. Students will be assessed only if they wish to be considered for Wind Ensemble (placement in Wind Ensemble will be based upon work

ethic, balanced instrumentation, dedication/contributions to the band program and playing assessment. It is not based on what year you are in school). Band students perform at concerts in December, March and May and are expected to attend small group instruction. The Symphonic Band generally plays Class B and C music and the Wind Ensemble generally plays Class A and B music.

CHORALE

Course ID: MUS1111-1112
Prerequisite: None
Credit: 1.0 (Semester 1 and 2)
Grades: 9-12
Description: Chorale is an ensemble consisting of beginning and intermediate vocalists who have an interest in improving their

musicianship through the rehearsal and performance of standard choral literature. This is a course for all singers who are interested in developing their skills in vocal technique, sight reading, and overall music knowledge. Students will prepare music for 4-5 concerts as well as the opportunity to participate in solo & ensemble. Students receive small group instruction on a 6-day rotating schedule. No Prerequisite.

CONCERT BAND

Course ID: MUS1011-1012
Prerequisite: None
Credit: 1.0 (Semester 1 and 2)
Grades: 9

Description: The band will be called (during concert season) the “Concert Band.” It will have its own instructional period for 90 minutes. Small group instruction will occur once every six school days like other band students. Concert Band is a Freshmen only full-year class designed to transition students into the high school band program. Concert Band will have units of study to include marching band concepts (including summer band camp, Waunafest Parade, and Friday night football games), musical skill-building, age/ability appropriate band literature, performance techniques and solo and ensemble. Members of this ensemble will have the same opportunities to play in co-curricular offerings such as Pep Band, Jazz Ensembles and Jazz Combo as students in grades 10-12.

CONCERT CHOIR

Course ID: MUS2131-2132
Prerequisite: One year of Chorale or Grazioso
Credit: 1.0 (Semester 1 and 2)
Grades: 10-12

Description: Concert Choir consists of intermediate soprano, alto, tenor and bass vocalists who are interested in improving their musicianship through the rehearsal and performance of intermediate level choral literature. Students will prepare music for 4-5 concerts as well as the opportunity to participate in solo & ensemble. Students receive small group instruction on a 6-day rotating schedule. Prerequisite: Students must have at least one year of Chorale.

JAZZ IMPROVISATION

Course ID: MUS1311
Prerequisite: None
Credit: 1/2 (Semester 1)
Grades: 9-12

Description: This course provides introductory and intermediate instruction of jazz improvisation. During the course of the semester, you will be exposed to a number of jazz styles. Through these styles students will study the fundamentals of improvisation to include chord structures, chord notation, chord progressions, scales, musical forms, listening to, transcribing and performing jazz music. Students will be expected to sing and/or play both in classroom situations and performance-based situations. By the end of the semester, the goal is to be comfortable with improvising over song forms including the 12 bar blues, AABA, and modal while utilizing a variety of scales. You must be able to read notes and rhythms. Students in this course will be welcomed to join the jazz combo, jazz ensembles or vocal jazz ensemble.

MUSIC HISTORY

Course ID: MUS1322
Prerequisite: None
Credit: 1/2 (Semester 2)
Grades: 9-12

Description: This course provides an introductory survey of music fundamentals, music history, world music (to include Native American) music in theater and film, and music technology. Students will examine musical developments in various genres ranging from medieval to modern, jazz, pop/rock, and blues as they relate to major historical events, social movements, and cultural trends. Students will examine historical recordings to develop listening skills and distinguish specific characteristics among a variety of musical styles. Attendance at two live performances separate from regular class meetings is required.

MUSIC THEORY & COMPOSITION

Course ID: MUS2311
Prerequisite: Previous music experience (see description)
Credit: 1/2 (Semester 1)
Grades: 10-12

Description: (Formerly called Music Technology) Available to Grade 9 only by meeting and consent of instructor. The course is designed to allow students to learn more in-depth about the fundamentals/theories of music (scales, chords, harmony, melody, form) which leads to composing and describing music. The class includes the use of music computer software programs, keyboards, student workbooks, group discussion, individual projects, demonstrations, and guest speakers. Students must have band, choir, orchestra, extensive piano background, or, after a conference with and the consent of the instructor. Students must be able to read music (not just TAB guitar or bass) and comprehend rhythms.

PHILHARMONIC ORCHESTRA

Course ID: MUS1211-1212
Prerequisite: Prior string instrument experience
Credit: 1.0 (Semester 1 and 2)
Grades: 9-10

Description: Philharmonic Orchestra includes string players in grade 9-10. A wide variety of music is studied, including world folk, jazz, classical and traditional pieces. We perform 3 concerts a year and students have the opportunity to participate in the annual Solo Ensemble Festival in March. At this level, we focus on improving our string performing techniques such as advanced bowings and finger positions. Class time is also used to explore music history and music theory, as well as strengthen aural skills with ear training activities.

SONORO

Course ID: MUS3121-3122
Prerequisite: Concert Choir plus Audition
Credit: 1.0 (Semester 1 and 2)
Grades: 11-12

Description: **(Formerly Grazioso)** Sonoro is an ensemble consisting of advanced vocalists who have an interest in improving their musicianship through the rehearsal and performance of challenging choral literature. Students will prepare music for 4-5 concerts as well as the opportunity to participate in solo & ensemble. Students receive small group instruction on a 6-day rotating schedule. Selection into this ensemble will be by audition and will include sight singing, scales, tonal memory, and rehearsal technique. Prerequisite: Students must have at least one year of Concert Choir and must pass the audition.

SYMPHONY ORCHESTRA

Course ID: MUS2211-2212
Prerequisite: Prior string instrument experience
Credit: 1.0 (Semester 1 and 2)
Grades: 11-12
Description: Symphony Orchestra includes string players from Grades 11-12. A wide variety of music is studied, including world folk,

jazz, classical and traditional pieces. We perform 4 concerts a year (Nov, Dec, March and May) and students have the opportunity to participate in the annual Solo Ensemble Festival in March. In Symphonic Orchestra, we continue to advance our techniques and understanding of music theory and music history. Each year we collaborate with advanced band members to perform symphonic masterpieces.

ONLINE COURSES

Through partnership with the Wisconsin eLearning Network, Waunakee High School is able to offer students options for online courses if they meet specific criteria. Online courses in nearly every curricular area are available at no cost to the student learner. Students are required to meet with their high school counselor, Pathways Coordinator, or School to Career Coordinator to determine eligibility for this option.



Students must demonstrate general and technical readiness, meet technological requirements, meet all course prerequisites, demonstrate the ability to work independently, and meet one of the following contexts:

- 1. Course is not offered at Waunakee High School
- 2. Scheduling conflict due to singleton sections in the student’s individualized learning plan
- 3. Necessary for a student’s four-year plan
- 4. Travel abroad or for national athletic teams
- 5. Health related concerns
- 6. Former home school student
- 7. Mid-year transfer from another school
- 8. Supports student placement in a Youth Apprenticeship Program

If a student placement in an online course is approved, learning contracts are required for the student and parent. Students who are enrolled in an online course will be required to include the Student Resource Lab in their schedule in order to ensure time is available for the student to successfully meet all online course requirements and remain on pace with online assignments and exams. All approved online coursework is coordinated and graded by a contracted online instructor outside of the Waunakee School District. Online course grades are entered into the Infinite Campus portal every grading period, similar to all other traditional courses, and will appear on a student’s transcript.

For questions regarding online courses at Waunakee High School, parents and/or students should contact their student’s school counselor, Pathways Coordinator, or the School to Career Coordinator.

PHYSICAL EDUCATION

Course	Freshman	Sophomore	Junior	Senior
Advanced Fitness			E/R	E/R
Introduction to Physical Education	R	R		
Lifeguard Certification		E/R	E/R	E/R
Lifetime Individual Activities		E/R	E/R	E/R
Lifetime Team Activities		E/R	E/R	E/R
Strength and Conditioning		E/R	E/R	E/R
Strength and Conditioning II		E/R	E/R	E/R

R = Fulfills Graduation Requirement at grade level E = Elective and the year student is eligible to take the course.

ADVANCED FITNESS

Course ID: PHY3011 OR PHY3012
Prerequisite: Introduction to Physical Education
Credit: 1/2 (Semester 1 or 2)
Grades: 11-12

Description: This class is designed for the fitness-minded student. Strength training is a daily component in which the student will work on lower and upper body exercises. Students will also increase strength in the abdominals, obliques, and back. Each class will end with aerobic/anaerobic exercises to increase cardiovascular endurance and flexibility. Units will include: Introduction to lifting/muscle recognition/safety, Fitnessgram testing (mile, pacer, curl-ups, push-ups), nutrition, swimming and personal training. Great emphasis is put on a positive attitude and taking responsibility. All physical education classes are co-educational and all upper level classes are combined grades 11 & 12. If a student wishes to take both Adv. Fitness and Strength and Conditioning, they may NOT take them during the same semester.

INTRODUCTION TO PHYSICAL EDUCATION

Course ID: PHY1011 OR PHY1012
Prerequisite: None
Credit: 1/2 (Semester 1 or 2)
Grades: 9-10

Description: Students must earn 1.5 credits of physical education to graduate from high school. Physical education at WHS is designed to give students fitness knowledge and experience, skill development, activity knowledge and a positive attitude within a very comprehensive and unique list of offerings. Six units are offered each semester: Fitness, Volleyball, Swimming, Strength & Conditioning, Basketball, and Badminton.

LIFEGUARD CERTIFICATION

Course ID: PHY2062
Prerequisite: See Qualifications in Description
Credit: 1/2 (Semester 2)
Grades: 10-12

Description: *(Formerly Lifeguard Training)* The primary purpose of the American Red Cross Lifeguarding course is to provide entry-level lifeguard participants with the knowledge and skills to prevent, recognize and respond to aquatic emergencies and to provide professional-level care for breathing and cardiac emergencies, injuries and sudden illnesses until emergency medical services (EMS) personnel take over. Upon successful completion of the requirements for certification, students would have the option to purchase their American Red Cross Lifeguard Certification. This is what a student would use to give potential employers to verify their certification status.

*Candidates must:

- 1. Be at least 15 yrs old on or before the final scheduled session of the course.
- 2. Swim 300 yards, continuously demonstrating breath control and rhythmic breathing. Candidates may swim using the front crawl, breaststroke or a combination of both, but swimming on the back or side is not allowed. Swim goggles may be used.
- 3. Tread water for 2 mins, using only the legs. Candidates should place their hands under the armpits.
- 4. Complete a timed event within 1 min, 40 secs: Starting in the water, swim 20 yards. Swim goggles are not allowed. Surface dive, feet-first or headfirst, to a depth of 7 to 10 ft to retrieve a 10-pound object. Return to the surface and swim 20 yards on the back to return to the starting point

with both hands holding the object and keeping the face at or near the surface so they are able to get a breath. Exit the water without using a ladder or steps.

LIFETIME INDIVIDUAL ACTIVITIES

Course ID: PHY2041 OR PHY2042
Prerequisite: Introduction to Physical Education
Credit: 1/2 (Semester 1 or 2)
Grades: 10-12

Description: Great emphasis is put on a positive attitude, taking responsibility and wellness planning for the future. All physical education classes are co-educational. If a student chooses to take both Lifetime Activities and Strength and Conditioning, they may take them during the same semester. Lifetime Activities (2-year cycle) will be selected from the following units: (fitness emphasized in all units) personal wellness, outdoor activities, recreational activities, fitness trends. This course is designed for students who prefer individual exercise. Students MAY repeat this course for PE credit as long as they are taken in different school years.

LIFETIME TEAM ACTIVITIES

Course ID: PHY2051 OR PHY2052
Prerequisite: Introduction to Physical Education
Credit: 1/2 (Semester 1 or 2)
Grades: 10-12

Description: Great emphasis is put on a positive attitude, teamwork, and wellness planning for future team activities. All physical education classes are co-educational. If a student chooses to take both Lifetime Activities and Strength and Conditioning, they may take them during the same semester. Team Activities (2 year cycle) will be selected from a variety of indoor and outdoor Team Games. This course is designed for students who want to participate in Team Games/Activities. Students MAY repeat this course for PE credit as long as they are taken in different school years.

STRENGTH AND CONDITIONING

Course ID: PHY2021 OR PHY2022
Prerequisite: Introduction to Physical Education
Credit: 1/2 (Semester 1 or 2)
Grades: 10-12

Description: This course is designed to be a high-level, high-intensity fitness class.

STRENGTH AND CONDITIONING II

Course ID: PHY2031 OR PHY2032
Prerequisite: Strength and Conditioning
Credit: 1/2 (Semester 1 or 2)
Grades: 10-12

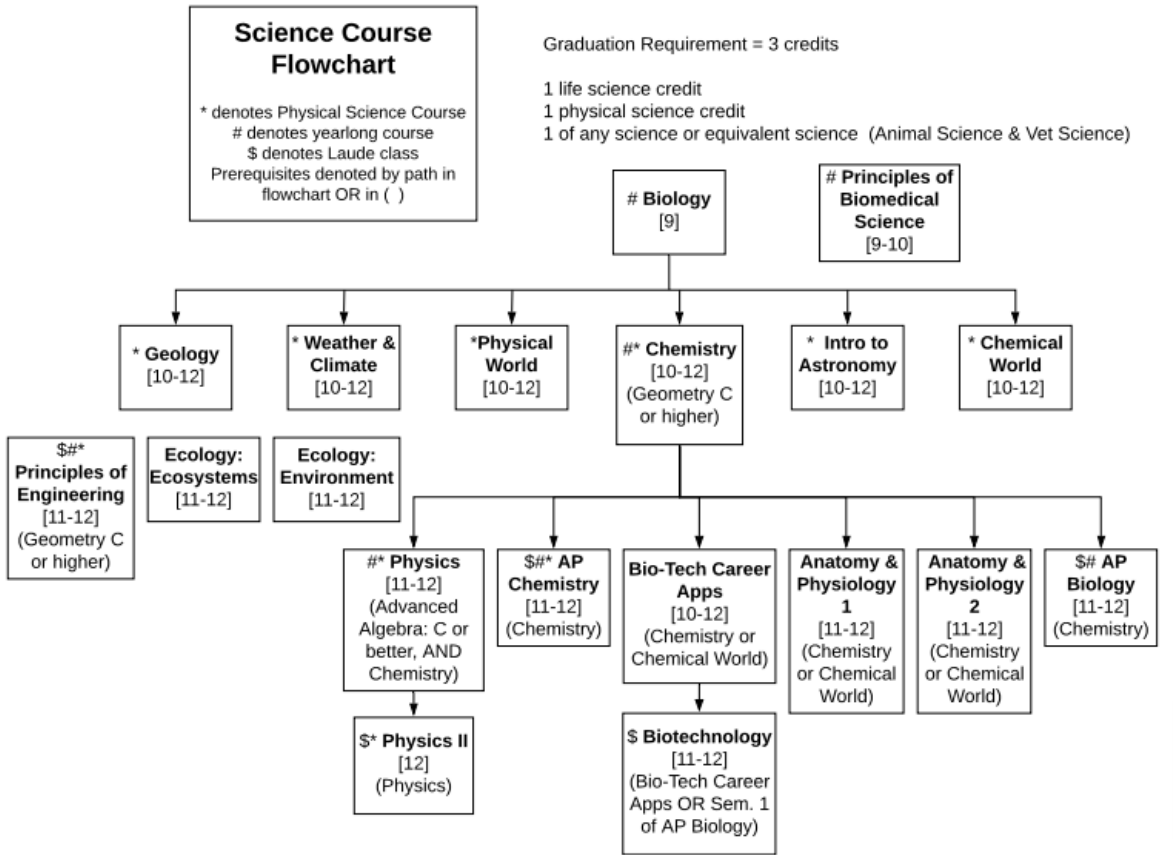
Description: This course will be offered to students interested in furthering their knowledge, technique, and concepts, as it relates to strength and conditioning. This will be a high intensity course that will feature advanced lifting techniques, mentoring and peer teaching, and career research into the dynamic world of fitness training.

SCIENCE



Course	Freshman	Sophomore	Junior	Senior
AP Biology			E	E
AP Chemistry			E	E
Biology	R			
Biotech Career Apps - DC		E	E	E
Biotechnology - DC		E	E	E
Chemical World		E	E	E
Chemistry		E	E	E
Ecology: Ecosystems of So. WI			E	E
Ecology: Environment & You			E	E
Geology		E	E	E
Human Anatomy & Physiology I			E	E
Human Anatomy & Physiology II			E	E
Intro to Astronomy		E	E	E
Physical World		E	E	E
Physics			E	E
Physics II				E
Principles of Biomedical Science	E	E		
Principles of Engineering			E	E
Science Lab Assistant (elective credit) +		E	E	E
Weather and Climate		E	E	E

R=Fulfills Graduation Requirement at grade level E=Elective and the year student is eligible to take the course
DC = Dual Credit with a post-secondary institution/certificate program + Elective credit, does not count as a Science Credit



ADVANCED PLACEMENT BIOLOGY

Course ID: SCI3011-3012
 Prerequisite: Biology and Chemistry
 Credit: 1.0 (Semester 1 & 2)
 Grades: 11-12

Description: The 4 "Big Ideas" as approved by the College Board include a study of Evolution, Energy and Homeostasis, Heritable Information, and Biological Interactions. Unit topics include molecular and cellular processes, energy transfer, cellular communication, genetics, evolution, human systems, and ecology. Twenty-five percent of the course is devoted to hands-on multi-day AP laboratory activities. Students should expect extensive daily reading assignments, lab preparation, analysis and discussion. AP Biology is a college-level course designed to prepare students to take the [Advanced Placement Exam](#) for college credit.

Prerequisite:

ADVANCED PLACEMENT CHEMISTRY

Course ID: SCI3031-3032
 Prerequisite: Chemistry (B or higher)
 Credit: 1.0 (Semester 1 & 2)
 Grades: 11-12

Description: Advanced Placement Chemistry covers the "6 Big Ideas" and "7 Science Practices" determined by the College Board. Students create written lab reports, do online homework, and take tests in the same format as the [AP Chemistry exam](#). Students are required to perform calculations during each unit as well as explain natural phenomena at the atomic level. A review of nomenclature and mole conversions will be given during the summer. First semester units of study include: Reactions in Solution, Gases & Enthalpy, Periodicity & Electrochemistry, Bonding, and Intermolecular Forces. Second semester units of study include: Kinetics & Equilibrium, Acid & Bases, and Thermodynamics. After the AP Chemistry Exam, students will learn about solar power, line-angle naming of organic compounds, and scuba diving.

BIOLOGY

Course ID: SCI1011-1012
 Prerequisite: None
 Credit: 1.0 (Semester 1 and 2)
 Grades: 9

Description: This is an introductory, survey course in Biology. Major themes of this course are: cells, genetics, evolution, diversity of life, organisms, human structure and function, and ecology. This course is designed as a basis for scientific learning and general approach to the study of living things. Units of Study include: Classification, Intro to Biology, Ecology, Genetics, Intro to Evolution, Cellular Biology and Energy, Overview of Body Systems, Simple Chemistry – Organic Substances, Human Genetics, Evolution, Diversity – Life's 6 Kingdoms, and Nucleic Acid and Protein Synthesis.

BIOTECH CAREER APPS

Course ID: SCI2071
 Prerequisite: Concurrent Enrollment/Completion of Chemistry or Chem World
 Credit: 1/2 (Semester 1)
 Grades: 10-12



Description: Students may earn dual credit at Madison College if a C or higher is earned. Provides a broad introduction to biotechnology including the scientific basis behind technologies and their current application in the areas of medicine, agriculture, forensics and the environment. This course is lab based and will cover skills and techniques essential for a successful career in a Biotechnology career. Units of study may include: DNA technologies, Gel Electrophoresis, PCR, genetic modification, plant and animal reproduction, immunology, bacterial culture, biofuels, and food production, analysis and safety. There will be career-related field trips and guest lecturers or interviews. There will be a full-day lab experience as part of this course at BTCI.

BIOTECHNOLOGY

Course ID: SCI2082
 Biotech Career Apps or Concurrent
 Enrollment/Completion of AP Biology
 Credit: 1/2 (Semester 2)
 Grades: 10-12



Description: Students may earn dual credit at Madison College if a C or higher is earned. This course is 75% hands-on lab based activities. A review of concepts related to the AP Biology curriculum will also be included. Units of study may include: Bacteriology and Sterile Technique, DNA Sequencing techniques, Gene transformation, Karyotyping and Genetics, Genetic Diseases & Stem Cell technologies, Ethical and Legal aspects of Biotechnology, Gel Electrophoresis, and PCR. There will be a full-day lab experience as part of this course at BTCI.

CHEMICAL WORLD

Course ID: SCI2022
 Prerequisite: None
 Credit: 1/2 (Semester 2)
 Grades: 10-12

Description: This course is designed to give students active experiences with chemical principles and understand the relevance of chemistry in their daily lives. Emphasis is placed on the scientific method and a general study of Chemistry. Many activities, demonstrations and experiments are performed by each student. Units of Study include: Atomic Structure; Periodic Table – Chemical Bonding; Chemical Reactions; Acids, Bases & Salts; Metals; Nonmetals; Nuclear Reactions; Characteristics of Solids, Liquids and Gas; Characteristics of Elements, Compounds, & Mixtures.

CHEMISTRY

Course ID: SCI2031-2032
 Prerequisite: Biology or Chem World (C or higher) and Geometry (C or higher)
 Credit: 1.0 (Semester 1 and 2)
 Grades: 10-12

Description: Chemistry is a laboratory-based course that investigates and explains happenings in the observable world by looking at what is going on at the atomic level. Students will perform multiple laboratory techniques and quantitative analysis. Students must demonstrate proficiency with algebraic expressions and conversions. First semester units of study include: Matter; Atoms & Ions, and Compounds/Bonding. Second semester units of study include: Solutions, Reactions, Advanced Reactions, and Thermal Chemistry. At the end of the second semester students will perform a laboratory practical.

ECOLOGY: ECOSYSTEMS OF SO. WI

Course ID: SCI3051
Prerequisite: None
Credit: 1/2 (Semester 1)
Grades: 11-12

Description: Students should have an interest and aptitude in natural science. Emphasis is on understanding ecosystem structures and functions. Both classroom and field trips/activities are used in studying natural communities such as forests and prairies. Special emphasis is placed on bio-diversity and land ethic as presented in Aldo Leopold’s *A Sand County Almanac*. Themes of Study include: Principles of Ecology, Sense of Place, Forest and Prairie Ecology and Management, Population Studies, and Wildlife Ecology and Management.

ECOLOGY: ENVIRONMENT & YOU

Course ID: SCI3062
Prerequisite: None
Credit: 1/2 (Semester 2)
Grades: 11-12

Description: Students should have an interest and aptitude in natural science. Course emphasis is the human connection to the environment including issue investigation and resolution. Current environment issues provide for teaching opportunities for citizen involvement. *A Sand County Almanac*, by Aldo Leopold, provides lessons in ecological principles and philosophy. Field trips, some very early, are an integral element in the class. Themes of Study include: Human Resource Use, Wilderness, Ornithology, Wetland Ecology, Aquatic Ecosystems, Groundwater, and Issue Investigation.

GEOLOGY

Course ID: SCI2062
Prerequisite: None
Credit: 1/2 (Semester 2)
Grades: 10-12

Description: The Earth’s history will be unraveled as we go back in time 4.6 billion years in this investigative physical geology course. Units include: earthquakes, volcanoes, plate tectonics, Wisconsin’s geological past, rocks and minerals, and earth history. Students will investigate and present a geologic topic as a semester project.

HUMAN ANATOMY & PHYSIOLOGY I

Course ID: SCI3081
Prerequisite: Chem World or Chemistry (C or higher)
Credit: 1/2 (Semester 1)
Grades: 11-12

Description: This course is geared towards students interested in a career in a health or science field, or who have an interest in the human body. Students will evaluate how molecules and structures in the body interact to maintain proper mental and physical health. Emphasis will be placed on interactions between body systems through experiments, dissections, research and personal case studies. There will be a continual focus on disease, injury, physical and mental disorders that impact the human body. The Anatomy and Physiology I and II courses can be taken individually or in any order.

HUMAN ANATOMY & PHYSIOLOGY II

Course ID: SCI3092
Prerequisite: Chem World or Chemistry (C or higher)
Credit: 1/2 (Semester 2)
Grades: 11-12

Description: This course is geared towards students interested in a career in a health or science field, or who have an interest in the human body. Students will evaluate how molecules and structures in the body interact to maintain proper mental and physical health. Emphasis will be placed on interactions between body systems through experiments, research and personal case studies. There will be a continual focus on disease, injury, physical and mental disorders that impact the human body. The Anatomy and Physiology I and II courses can be taken individually or in any order.

INTRO TO ASTRONOMY

Course ID: SCI2041 OR SCI2042
Prerequisite: None
Credit: 1/2 (Semester 1 or 2)
Grades: 10-12

Description: This course is designed to offer students an introduction to the principles of astronomy through an inquiry, lab-based curriculum. Students will investigate the moon-earth-sun system, the role of the sun in our solar system, the characteristics and life-cycles of stars, Newton’s law of universal gravitation, and scientific theories of cosmology. Inquiry labs will include physical modeling, real-time data analysis, and interactive computer-based models of celestial phenomena. Although largely descriptive, the course will occasionally require the use of sophomore level mathematics. Students will have the opportunity to research additional topics of interest through a semester project of their choice.

PHYSICAL WORLD

Course ID: SCI2011
Prerequisite: None
Credit: 1/2 (Semester 1)
Grades: 10-12

Description: Intended for students interested in learning more about physical science, and is considered a stand-alone science course, not a prerequisite for physics. Physical World emphasizes “every day experiences” to help students better understand physical concepts in their everyday life. Students should expect to spend at least half of most classes in labs, activities and projects. Units of Study include: Metric System, Newton’s Laws, Use of Math in Science, Simple Machines, Motion & Energy, Waves, Sound, and Light.

PHYSICS

Course ID: SCI3021-3022
Prerequisite: Adv. Algebra and Chemistry (C or higher)
Credit: 1.0 (Semester 1 and 2)
Grades: 11-12

Description: Physics is a way of looking at and questioning our ever-changing environment. Physics is presented not merely as a body of facts, but as a continuing process by which we can seek to understand our own physical world. Students will discover the basics of physics as well as be able to apply physics concepts to their daily lives. This course is very real world and hands-on culminating in an investigation of amusement park physics. Units of Study include: Motion, Forces, Momentum & Energy, Work & Simple Machines, Waves, Sound & Light, and Optics.

PHYSICS II

Course ID: SCI4011 AND/OR SCI4022

Prerequisite: Physics (C or higher)

Credit: 1/2 or 1.0 (Semester 1 and/or 2)

Grades: 12

Description: Students may elect to take both semesters or just Semester 1 or Semester 2. Physics II is a continuation of Physics and covers new topics. This is an excellent course for students pursuing careers in math, science, and/or engineering at the post-secondary level. Units of Study include: (Semester 1) Thermodynamics, Electricity and Magnetism, Share Science Project (share science lessons with elementary students); (Semester 2) Rube Goldberg Competition Machine, Modern Physics, Wireless Communication, Physics of Flying, and Share Science Project.

PRINCIPLES OF BIOMEDICAL SCIENCE

Course ID: SCI1021-1022

Prerequisite: None

Credit: 1.0 (Semester 1 and 2)

Grades: 9-10

Description: This course provides an introduction to the field of biomedical science through exciting hands-on projects and problems. There are four major units: forensic science, clinical care, outbreaks and emergencies, and innovation. Students will design experiments, solve problems, learn about biomedical careers, and build computer science skills to innovate solutions for the future of medicine. Students will determine the factors that led to the death of fictional characters by examining crime scene evidence and autopsy reports. They will explore human physiology, basic biology, medicine, and learn about health conditions including heart disease, diabetes, and infectious diseases.



PRINCIPLES OF ENGINEERING

Course ID: TEE3011-3012

Prerequisite: Geometry (C or higher)

Credit: 1.0 (Semester 1 and 2)

Grades: 11-12

Description: Science credit is awarded for successful completion of this course as it is recognized as a science equivalency by WI DPI as a third science credit. Students who successfully complete both semesters may be eligible for college and/or technical school credit based on their score on the PLTW final exam. Any student planning on pursuing an engineering career should take this course. This course is lab based and conveys the concepts and principles of the engineering field. Students will be able to combine math and science skills to create practical, working solutions to real-life problems. Units of Study include: Energy and Power, Materials and Structures, Control Systems, and Statistics and Kinematics.



SCIENCE LAB ASSISTANT

Course ID: SCI5001 AND/OR SCI5002

Prerequisite: Consent of Instructor

Credit: 1/4 (Semester 1 and/or 2) Elective Credit Only

Grades: 10-12

Description: Students will work with the lab equipment and supplies in ways not normally available to other class members. The student learns to problem solve and troubleshoot in a particular area of science. Assistant application forms are available in the counseling office and approved based on teacher consent and availability.

WEATHER AND CLIMATE

Course ID: SCI2051 OR SCI2052

Prerequisite: None

Credit: 1/2 (Semester 1 or 2)

Grades: 10-12

Description: Students will use the principles of energy as it applies to the atmosphere and weather. Our own weather station statistics will be used to graph and interpret the meaning of temperature, air pressure, precipitation, relative humidity, wind speed, and direction as it relates to the weather. Weather phenomenon will be used to relate statistical analysis to actual events. Graphical analysis of weather statistics will be used to assist in weather prediction. Discussions of global warming and the effect of greenhouse gases will be used as a focus for long-term climatic changes that might occur to the planet. Units of Study include: The Worlds Wind Belts; Air Masses; Air Pressure & Wind; World Climate; Evaporation & Humidity; Clouds & Precipitation; Fronts, High Pressure & Low Pressure; Composition & Structure of the Atmosphere; Temperature & the Effects of Atmospheric Heating Condensation, Global Warming, the Ozone Hole.

Students entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a:

Science, Technology, Engineering, Math (STEM) Youth Apprenticeship

This rigorous one- or two-year program includes pathways for Biotechnology and for Engineering. Please refer to the "School to Career" section in the course handbook for more information on this work based learning opportunity that provides students with industry-defined occupational and employability skills.

SOCIAL STUDIES



Course	Freshman	Sophomore	Junior	Senior
AP European History*			E	E
AP Macroeconomics			E	E
AP Psychology			E	E
AP US Government & Politics**			E	E
AP US History		E/R	E	E
America in Conflict***			E	E
Economics			E	E
Exploring Wisconsin			E	E
Issues in Psychology		E	E	E
Law				R
Modern Global Studies****		E	E	E
Social Problems		E	E	E
Sociology (formerly Intro to Sociology)		E	E	E
Sports Psychology			E	E
US History		R		
World History	R			

R = Fulfills Graduation Requirement at grade level E = Elective and the year student is eligible to take the course.

- *AP European History is a year-long course offered alternate years, available in 2022-23.
- **AP US Government & Politics is a year-long course offered alternate years, available in 2023-24.
- ***America in Conflict is a semester course offered alternate years, available in 2022-23.
- ****Modern Global Studies is a semester course offered alternate years, available in 2023-24.

ADVANCED PLACEMENT EUROPEAN HISTORY

Course ID: SST3051-3052
*2022-23 School Year Offering (Alternating Years)
Prerequisite: None
Credit: 1.0 (Semester 1 and 2)
Grades: 11-12
Description: This course will be focused on European History from the Renaissance to the current state of Europe. The study of nationalism, the rise of ideologies, the world wars, cold war, along with the development of a modern Europe will be developed. This is an intensive AP course and is excellent preparation for college.

ADVANCED PLACEMENT MACROECONOMICS

Course ID: SST3121
Prerequisite: None
Credit: 1/2 (Semester 1)
Grades: 11-12
Description: The purpose of AP Macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. In May, students will have the opportunity to take the AP Macroeconomics exam in order to earn college credit (typically with a score of 3 or higher) (College Board, 2015).

ADVANCED PLACEMENT PSYCHOLOGY

Course ID: SST3031-3032
Prerequisite: None
Credit: 1.0 (Semester 1 and 2)
Grades: 11-12
Description: This class is designed to provide not only the content, but the rigor, of a college Psychology course. In general we will be learning about the scientific study of human behavior and the thought process. More specifically we will cover units related to neuroscience, sensation and perception, memory, learning, motivation, personality, disorders and others. The two main focuses in class will be to 1) allow the student to see and apply the psychological concepts in their lives, and 2) prepare students for the AP exam in early May. Successful completion of the AP exam will result in 3 college credits at most universities.

ADVANCED PLACEMENT US GOVERNMENT AND POLITICS

Course ID: SST3062-3063

***2023-24 School Year Offering (Alternating Years)**

Prerequisite: US History or AP US History

Credit: 1.0 (Semester 1 & 2)

Grades: 11-12

Description: This course offers an analytical perspective on American government and politics through reading activities, simulations, small and large group discussion and a field trip to watch the Wisconsin Supreme Court in action. Interested students will study general concepts used to interpret US government and politics and the analysis of visual data, specific court cases and primary source documents. Students will explore American institutions, groups, beliefs and ideas, along with theoretical perspectives and explanations for various behaviors and outcomes. Students will further develop their argumentative writing skill and design a Civic-based Project to deepen their understanding and involvement in course content assessed on the AP exam. Students will have the opportunity to take the AP exam at the end of the year in order to receive possible college credit with a qualifying grade.

ADVANCED PLACEMENT US HISTORY

Course ID: SST2021-2022

Prerequisite: None

Credit: 1.0 (Semester 1 & 2)

Grades: 10-12

Description: The AP US History course focuses on the development of historical thinking skills and an understanding of content learning objectives organized around seven themes, such as identity, peopling, and America in the world. AP US History is designed to be the equivalent of a two-semester introductory college or university US history course. Students will have the opportunity to take the AP exam at the end of the year in order to receive possible college credit with an acceptable score. Students enrolled in the class agree to complete a **mandatory summer reading requirement**

AMERICA IN CONFLICT

Course ID: SST3041

***2022-23 School Year Offering (Alternating Years)**

Prerequisite: US History or AP US History

Credit: 1/2 (Semester 1)

Grades: 11-12

Description: America in Conflict is a survey of US foreign policy during the 20th and 21st centuries, with an emphasis on military engagements. The course will focus on the interaction between society and military institutions, lessons learned from past foreign policy decisions, and how the United States should handle current and future foreign policy issues. Students will use the course content to develop skills in historical research, argumentation, and the reading and interpretation of complex primary sources.

ECONOMICS

Course ID: SST3021

Prerequisite: None

Credit: 1/2 (Semester 1)

Grades: 11-12

Description: The economics course is for upperclassmen that are curious about how money works in the real world. The course overviews a wide variety of economics topics like basics of economic

thinking, supply and demand, income inequality, how business and government operate within the economy, international trade, investments, and personal finance. Economics explores these various topics through engaging activities, multiple projects, and a variety of assessments.

EXPLORING WISCONSIN

Course ID: SST3002

Prerequisite: US History or AP US History

Credit: 1/2 (Semester 2)

Grades: 11-12

Description: Students will assume the role of State Legislators in a simulation of the Wisconsin State Assembly. In this role, students will select a topic of interest, develop a bill, and guide it through our state lawmaking process. Students will explore the physical and cultural history of Wisconsin through class work and a field trip. Students also have the freedom to explore Wisconsin on their own through self-directed trips that highlight the natural and cultural history of the Waunakee/Madison area.

ISSUES IN PSYCHOLOGY

Course ID: SST2031 OR SST2032

Prerequisite: None

Credit: 1/2 (Semester 1 or 2)

Grades: 10-12

Description: Open to any student in Grade 10, 11 or 12. This includes any student who might be concurrently enrolled in AP Psychology or who has completed AP Psychology. This class is designed to offer students the opportunity to study issues in behavioral science that will enhance their understanding of the human condition. The course is offered as an attempt to encourage the lifelong learning and curiosity of students who will become co-workers, neighbors, parents, life partners, and adult caregivers in the communities they enter throughout their lives. Units of Study include: Human Development - The Brain ("Geography" of the brain – anatomy, structure, neurochemistry and plasticity. "Evolution" of the brain – central core, limbic and cortex features. "Environmental impact" upon the brain – effects of exercise, nutrition, relaxation, sleep, aging, stress and toxins upon the brain). Human Development - Models of development. Health and Wellness - Psychopathology and treatment; Substance issues and addiction dynamics; Modern living (Technology and the "mismatch theory" and Gender roles and issues). Health and Wellness - Families, institutions and support systems.

LAW

Course ID: SST4011 OR SST4012

Prerequisite: World History and US History/AP US History

Credit: 1/2 (Semester 1 OR 2)

Grades: 12

Description: Prepares students for some of the practical legal situations that they will face from the time they graduate through adulthood. Topics include personal finance, contract, and consumer law, introductory Constitutional law (including the US court system), civil law, criminal law, and family law. Students will analyze and apply concepts to a variety of legal situations, and relate legal topics to current situations in the US. Deliberation and communication skills will also be key foci of this course.

MODERN GLOBAL STUDIES

Course ID: SST2061
*2023-24 School Year Offering (Alternating Years)
Prerequisite: None
Credit: 1/2 (Semester 1)
Grades: 10-12

Description: Students will investigate current situations facing our world and evaluate their causes and options for resolution. This course addresses aspects of political science and will have intensive readings and research.

SOCIAL PROBLEMS

Course ID: SST2071
Prerequisite: World History
Credit: 1/2 (Semester 1)
Grades: 10-12
Description: Social Problems studies the issues people face when interacting with and living amongst one another. Studying Social Problems will give insight into how sociologists study and make conclusions about society and how people function within society. Social Problems also equips students with the skills to make important decisions about issues that are currently facing the United States. Topics include basic sociology, poverty, racial and gender inequality, crime, and drug abuse.

SOCIOLOGY

Course ID: SST2042
Prerequisite: None
Credit: 1/2 (Semester 2)
Grades: 10-12
Description: *(formerly Intro to Sociology)* Sociology will introduce you to the study of humankind's most important creation, the social group. Everything we do is directly or indirectly influenced by the society in which we live. All of humanities' achievements, both for better and worse, are the products of human groups interacting. Along the way we will explore major approaches to the study of society developed by many thinkers including Karl Marx, Max Weber, and Emile Durkheim. By the end of the course you will be able to think about society, and your individual place in it, in a new way.

SPORTS (& OPTIMAL HUMAN PERFORMANCE)

PSYCHOLOGY

Course ID: SST3071 OR SST3072
Prerequisite: AP Psychology OR Issues in Psychology
Credit: 1/2 (Semester 1 or 2)
Grades: 11-12
Description: This unique course will provide students with knowledge about psychological factors that affect human performance in sports, exercise, and optimizing human performance in other aspects of students' lives (i.e., work, music, and school). The goal of this course is to not only teach but have students apply psychological scientifically rooted mental skills and training techniques that will enhance and optimize their performance. This course will address the interactions between psychology and performance in the three areas of sports, exercise, and performance psychology which focuses on other professions that demand excellence in psycho motor performance (i.e., performing arts, surgery, firefighting, law enforcement, military operations, etc.) and applying the same underlying psychological skills training as sports and exercise.

US HISTORY

Course ID: SST2011-2012
Prerequisite: World History
Credit: 1.0 (Semester 1 and 2)
Grades: 10
Description: US History traces the development of the United States from the period of European exploration through the 20th Century. It considers the problems involved in setting up a state sufficiently rigid to withstand changing conditions as well as sufficiently flexible to cope with structural changes in American society. The course emphasizes the importance of the individual today in relation to other members of society, in regard to his/her role in government, and in helping to formulate government policy.

WORLD HISTORY

Course ID: SST1011-1012
Prerequisite: None
Credit: 1.0 (Semester 1 and 2)
Grades: 9
Description: This is a required class for freshmen. The emphasis is on the establishment of civilizations and empires throughout the world. We will study early civilizations in Africa, Asia, the America's, India, Middle East, and Europe during first semester. Second semester will have a greater focus on European civilizations, and historical time frames of the medieval world, Renaissance and Reformation.

SPECIAL SERVICES

ACTIVE LEARNING

Course ID: OTH0001-0002
Prerequisite: 8th Grade or 9th Grade Interview
Credit: 1.0 (Semester 1 & 2)
Grades: 9

This course is designed for freshmen and/or sophomore students who need additional resources to help them be successful with the various aspects of school. The course is a combination of non-traditional class activities; small group seminars; and individual help on course work in all areas. Course work centers on study skills, life skills, and communication skills. Because class size is kept at a minimum, individual attention is given to students.

Units of Study:

- Communication Skills – self-advocacy, talking with adults and peers appropriately
- Study Skills – reading, writing, note-taking, and test-taking strategies
- Success Readiness – understanding high school
- Motivation – self-respect, freedom and responsibility
- Personal Values – learning styles and goal setting

Special Notes: In order to be considered as a candidate for this class an interview will be conducted with the student during his/her 8th grade or 9th grade year. In order to participate, the student must express a desire to be successful in high school. In addition, parent/guardian support of the student is an important aspect of this program. When enrolled, students participate in both the classroom phase AND the resource (tutorial study hall) phase.

ENGLISH LANGUAGE LEARNING WORKSHOP

ELL Workshop is designed for beginning to advanced intermediate ELL students that are at a level of 1-5 on the ACCESS Language Proficiency scale. The curriculum changes from year to year, allowing students to take the ELL English course for 0.25 credit per semester up to four consecutive years. The ELL Workshop offers a content based approach to teaching and delivery. Language and content instruction are integrated so that students develop academic knowledge and skills in specific content areas while simultaneously developing their specific content academic language and general usage academic vocabulary, as well as their ability to use sentence frames and structures. In addition to increasing students’ knowledge and ability to use academic language and structures, this course also focuses on pre-teaching and re-teaching concepts in the content areas of Biology, World History, and English 9 in order to further prepare the students to perform successfully on both formative and summative assessments. ELL Workshop also provides direct instruction and focused practice activities in the area of writing. This course focuses on writing specifically because that is the area of greatest challenge for our students. Some of the topics of focused instruction related to writing include: the writing process, organization, voice, transitions, grammar, spelling, punctuation, etc. This course is designed to better prepare students to use academic English with increasing accuracy in classroom and social situations, as well as increase writing proficiency.

KOKOPELLI KAFÉ: TEACHING ASSISTANT

Credit: 0.5 (Semester 1 or 2)
Grades: 11-12

Student teaching assistants will work closely with peers with disabilities to operate the school-based coffee shop. Ability to effectively communicate with staff and students, exhibit positive customer relations and be a positive role model is essential.

MATH WORKSHOP

Math workshop is a class designed to run parallel to high school math courses. Students enrolling in Algebra, Geometry or Advanced Algebra may be placed in a math workshop by teacher recommendation in addition to their regular math course. Math workshop offers additional instruction and support for students who need additional time to be successful in their math coursework. Math workshop is scheduled during a student's study hall and meets for half of the block.

READING AND WRITING WORKSHOP

Reading and Writing Workshop is a class designed to help students make the transition successfully from middle school to high school. Students in high school and college are required to read, analyze, and interpret complex content material, and this class will introduce students to reading strategies, writing strategies, test-taking strategies, and study methods to help them become successful learners. This class depends on students’ active participation in class as well as application of specific learning strategies in content area classes. Students are generally required or recommended for this course based on several district criteria.

SPECIAL EDUCATION

The high school offers comprehensive services to students with disabilities. Programming is available for individuals with cognitive disabilities, speech and language disorders, emotional and behavior disabilities, learning disabilities, and autism spectrum disorders. In addition, assistance is offered to students with attention deficits, physical disabilities, hearing or vision impairment, as well as other health related conditions.

Based on an educational evaluation and a related Individual Education Plan, special education teachers and therapists provide students with specialized instruction, therapeutic interventions, and assistive technology to help students develop their potential and participate in the school’s educational opportunities. Special education programs also help students develop effective study techniques, acquire independent living skills, and prepare for the world of work.

TECHNOLOGY AND ENGINEERING EDUCATION



Course	Freshman	Sophomore	Junior	Senior
Architectural Drafting		E	E	E
Auto Mechanics			E	E
Basic Home & Auto Maintenance		E	E	E
Big IDEA (Innovation, Design, Engineering, and Art)	E	E	E	E
Construction I		E	E	E
Construction II		E	E	E
Construction III – NEW!			E	E
Digital Electronics		E	E	E
Engineering Design & Development				E
IDEA (Innovation, Design, Engineering, and Art)	E	E	E	E
Introduction to Engineering Design	E	E	E	E
Introduction to Industrial Technology	E	E	E	E
Metal Fabrication – DC		E	E	E
Metal Technology		E	E	E
Principles of Engineering - ES			E	E
Small Engine Technology		E	E	E
Welding – DC		E	E	E
Woods I: Fine Woodworking	E	E	E	E
Woods II: Advanced Furniture Theory		E	E	E
Yearbook	E	E	E	E

E = Elective and the year student is eligible to take the course.

ES = Science Equivalency Credit (3rd Science Credit)

NOTE: A maximum (1) ES may be earned by a student to count as a Science Equivalency Credit

ARCHITECTURAL DRAFTING

Course ID: TEE2012
Prerequisite: None
Credit: 1/2 (Semester 2)
Grades: 10-12

Description: Do you have an interest in design? Are you interested in how houses are structurally designed and created? Architectural drafting is a course that allows you to learn about the design and structural aspects of a residential house. Through the course, you'll understand how a house is planned and what makes a house functional and aesthetically pleasing. This course involves the designing and constructing of a complete set of architectural plans for a given residence house using AutoCad/Revit Software. This class is ideal for any student that is pursuing a career in the field of engineering design or construction pathway. The knowledge gained from this course will be helpful with any field of study for the above pathways. The main topics for the class include the history of architecture, room orientation and layout, aesthetic composition of residential house, blue print reading and creation and foam core modeling. Students interested in pursuing a construction, architecture, or civil engineering career path may consider taking prep trades and/or construction trades as well.

AUTO MECHANICS

Course ID: TEE3062
Prerequisite: Small Engine Technology (C- or higher)
Credit: 1/2 (Semester 2)
Grades: 11-12

Description: This course will concern itself with the technology and systems found in the modern automobile. Besides automobile engine (expanding on what was covered in Small Engine Technology) the braking systems, drive train, suspension, and accessory systems will be covered. Students will perform work on automobiles engines and components found in the shop. This course is intended to give students a foundation to perform routine auto maintenance. Units of Study include: Basic Maintenance; Braking System; Drive Train; Suspension System; Electronic System; Ignition System; and Power Train.

BASIC HOME & AUTO MAINTENANCE

Course ID: TEE2062
 Prerequisite: Recommended: Driver's License by 4th Quarter
 Credit: 1/2 (Semester 2)
 Grades: 10-12

Description: This course is intended for students who have very limited knowledge about automobile and home maintenance. Basic Home and Auto Maintenance focuses on basic knowledge and skills required to perform common automotive and household maintenance and repair tasks. Students will develop practical, hands-on skills as well as basic knowledge required for money-saving maintenance on homes and vehicles. Students will develop an understanding for the basic systems in both a house and a vehicle. Common home repairs such as drywall repair, painting, basic plumbing, and basic electrical skills will be addressed. Tasks and concepts for auto maintenance include changing wiper blades and light bulbs, proper washing and waxing knowledge, changing a flat tire and changing oil. Each student will perform the above tasks throughout the course. In this course, time will be devoted to such questions as: what car or home best fits your needs, where to find that car or home, and how to finance the purchase.

BIG IDEA (INNOVATION, DESIGN, ENGINEERING & ART LEVEL 2)

Course ID: TEE1051 OR TEE1052
 Prerequisite: IDEA, \$25 Supply Fee
 Credit: 1/2 (Semester 1 or 2)
 Grades: 9-12

Description: BIG IDEA picks up where IDEA leaves off. Students looking to continue the exploration of Digital Fabrication and use of technology should sign up for this course. In BIG IDEA students will learn more in depth skills revolving around the equipment in the Innovation Center in addition to electronics production, embroidery and screen printing. Students will have an opportunity to take the skills learned in IDEA and build on them exploring projects of their choosing. Individually chosen projects will be a cornerstone of this class. Students who successfully complete IDEA + BIG IDEA may use these classes in place of PLTW classes to enter the senior capstone Engineering Design and Development class their senior year.

CONSTRUCTION I

Course ID: TEE2031
 Prerequisite: None
 Credit: 1/2 (Semester 1)
 Grades: 10-12

Description: Are you looking for a course that not only offers some of the most practical knowledge in school but also gives you experience in many different construction trades? If so, make certain your plans include Construction I, a course designed to teach you about the many different skills, facts, and trades involved in the construction of a home. You will receive basic training in concrete flat work and masonry work, rough and finish carpentry, layout, electrical wiring and much more. If you are not certain about your career or if you are thinking about building your own home someday, this course is a first step must. Instructor approval is required for students who have not taken previous industrial education courses; however, students with previous industrial education will be given top priority. Students will work in teams to build a full scale model of a house using actual house plans and complete unit projects in other major areas of construction trades.

CONSTRUCTION II

Course ID: TEE2132
 Prerequisite: Construction I (C- or higher)
 Credit: 1/2 (Semester 2)
 Grades: 10-12

Description: Do you have any interest in understanding how a residential house is constructed? Construction II offers an opportunity for students to explore the different skills and trades that are associated with building a residential house. Students will work on modules that represent all aspects of a residential house. Students will also have the opportunity to earn an industry recognized certification, OSHA 10. Units of study will include Blueprint Reading, Roof Construction, Exterior Finishing, Drywall, Electrical, Plumbing, and Project Estimation.

CONSTRUCTION III | *NEW for 2022-23

Course ID: TEE3031
 Prerequisite: Construction II (C- or higher)
 Credit: 1.0 (Semester 1)
 Grades: 11-12

Description: The Capstone course in the construction pathway. Gain the knowledge and experience of a full time home builder in Construction III. You will fine tune your skills learned in Construction II while on a job site building an actual house. Working with a general contractor from the area you will work hand in hand with subcontractors every day, giving you the chance to explore a possible career path after high school. Students must apply and be accepted into this course, and must have availability in their schedule for two consecutive blocks as this course runs alternating days every morning for the first semester.

DIGITAL ELECTRONICS

Course ID: TEE2071-2072
 Prerequisite: Concurrent enrollment in Adv. Alg. or Equivalent/higher math course AND Geometry (C or better)
 Credit: 1.0 (Semester 1 and 2)
 Grades: 10-12

Description: Digital Electronics (DE) is a high school level course that is appropriate for 10th grade, or higher, students who are interested in design and engineering. From smart phones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices. Digital Electronics gives students the opportunity to develop skills and understanding of course concepts through activity, project-, and problem-based learning. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education. Students who successfully complete semesters 1 & 2 may be eligible to receive technical college or university credit for this course. Credit award, if any, is determined by each university or technical college.

ENGINEERING DESIGN & DEVELOPMENT

Course ID: TEE4011-4012
 Prerequisite: 4 Semesters of PLTW Courses & Instructor Consent
 Credit: 1.0 (Semester 1 and 2)
 Grades: 12

Description: Students taking EDD must have successfully completed 4 semesters of the Project Lead the Way basic courses (IED, POE &/or DE) **OR** successfully completed both IDEA and Big IDEA with a letter grade of B or better to be eligible to take this course. This course is a senior design course and is run much like an independent study in which a team of 2-3 students



12/07/21 complete the entire engineering design process from problem identification to solution of that problem. This may be a brand new invention or an innovation on a current product. Students will research, design, and build a real life prototype of their new product. Students are required to be entered into the state PLTW design competition and give a product presentation at the end of the year to successfully complete this course. Units of Study include: Problem Identification, Research, Decision Process, Design, Build, Test, and Presentation.

IDEA (INNOVATION, DESIGN, ENGINEERING & ART)

Course ID: TEE1041 OR TEE1042
Prerequisite: \$25 Supply Fee
Credit: 1/2 (Semester 1 or 2)
Grades: 9-12

Description: Do you want to use state-of-the-art equipment to design, build, and test almost anything you can dream of? Would you like to develop the technological, problem-solving, and hands-on skills desired by employers? If your answer is yes, then this course is for you. In IDEA, computer-controlled fabrication technologies such as 3D printers, CNC routers, vinyl cutters, and milling machines will be used to transform a product idea into its tangible form. Students will explore many interrelated career fields, including engineering, science, math, art, graphic design, computer aided design, electronics, and entrepreneurship.

INTRODUCTION TO ENGINEERING DESIGN

Course ID: TEE1011-1012
Prerequisite: Concurrent enrollment in grade-level Math course
Credit: 1.0 (Semester 1 and 2)
Grades: 9-12



Description: Introduction to Engineering Design (IED) is a high school level course that is appropriate for 9th or 10th grade students who are interested in design and engineering. The major focus of the IED course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based learning. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education. Students who successfully complete semesters 1 & 2 may be eligible to receive technical college or university credit for this course. Credit awarded, if any, is determined by each university or technical college.

INTRODUCTION TO INDUSTRIAL TECH

Course ID: TEE1021 AND/OR TEE1032
Prerequisite: None
Credit: 1/2 or 1.0 (Semester 1 and/or 2)
Grades: 9-12



Description: This course is recommended as an introduction to various technological career paths and as a beginning class for anyone looking to explore what our technological world has to offer. Semester one will focus on Construction, Architecture, AV Technology, and Communication. Semester two will focus on Manufacturing, Transportation, Distribution, and Logistics. Both courses can be taken together or as individual semesters. Industrial Technology takes students on a brief overview of technology trends and related careers. Through hands-on and problem-solving based projects students will have the chance to explore what emerging careers in technology might offer. Students will be working with their hands while solving interesting problems and using their creativity on a daily basis to explore many different emerging careers. **Students may enroll in either semester 1, semester 2, or both, and in any order.** Units

of Study include: Semester 1: Lab Safety, Construction, Woodworking, Engineering, 3D Drafting and Design, Problem Solving, Publication Design, and Graphic Design Semester 2: Air, Land, Sea and Space Transportation; Metal Working/Design; Research and Development; CNC Machines; and Enterprise/Manufacturing. Each section will include a separate hands-on project or lab component.

METAL FABRICATION

Course ID: TEE2142
Prerequisite: Metal Technology (C or better)
Credit: 1/2 (Semester 2)
Grades: 10-12

Description: Metal Fabrication introduces students to the fundamentals of metal cutting and forming. Emphasis is placed on safety, basic layout techniques, bending calculations, and the operation of cutting/forming equipment through hands-on, project-based, instruction. As a Metal Fabrication student, you will:

- Learn the basics of cutting, forming and joining common manufacturing materials.
- Use a variety of manual and programmable equipment techniques and processes.
- Develop your technical knowledge of blueprint reading, layout metal fabrication and welding.
- Produce fabricated assemblies and detailed drawings that conform to industry quality-control methods and standards.

This course is offered as a dual-credit option with Madison College.

METAL TECHNOLOGY

Course ID: TEE2041
Prerequisite: None
Credit: 1/2 (Semester 1)
Grades: 10-12

Description: Any student considering a career in metal fabrication or repair should consider this course a must. Today's technicians at all levels who lack the knowledge of stick and wire feed welding are at a great disadvantage. Students in this course will learn through classroom discussion and hands-on practice with stick, wire (MIG), and TIG welding, basic lathe operations, tap and die, CNC, grinding, and other basic metalworking principles. Students will then use their new skills to design and build a project of their own. Any students in grades 10-12 who are looking for a good practical course or a possible career are encouraged to sign up for this course.

PRINCIPLES OF ENGINEERING

Course ID: TEE3011-3012
Prerequisite: Geometry (C or better)
Credit: 1.0 (Semester 1 and 2)
Grades: 11-12

Description: Principles of Engineering (POE) is a PLTW high school level course that is appropriate for 11th and 12th grade students who are interested in engineering. This course is lab based in conveying the concepts and principles of the engineering field. Students will be able to combine math and science skills to create practical, working solutions to real-life situations. POE gives students the opportunity to develop skills and understanding of course concepts through activity, project- and problem-based learning. The POE course is recognized as a science equivalency course at WHS. Students who successfully complete semesters 1 & 2 and receive a certain cut score on the AP-style End of Course Exam may be eligible to receive technical college or university credit for this course. Credit awarded, if any, is determined by each university or technical college.



SMALL ENGINE TECHNOLOGY

Course ID: TEE2051
Prerequisite: None
Credit: 1/2 (Semester 1)
Grades: 10-12

Description: Small Engine Technology is an exploratory course for students interested in the technology involved in the transportation industry and its career pathways. Students will learn the basics of small engine operation and be able to identify industry standards. Students will be able to demonstrate the ability to take apart, tune up, maintain, repair, and rebuild small engines. During this hands-on course, students will disassemble, inspect, and then reassemble a 4-stroke engine while learning about the construction operation and maintenance of engines. The course is aligned with the Briggs & Stratton online curriculum. After learning about the engines, students will be required to bring in 1-2 small engines to perform standard small engine tune-up. Small engine equipment may be available to those students who need them.

WELDING

Course ID: TEE2102
Prerequisite: Metal Technology (C or better)
Credit: 1/2 (Semester 2)
Grades: 10-12



Description: Students in Welding will develop solid hands-on skills, as well as a good understanding of the following welding processes through project-based activities:

- Advanced Gas Metal Arc (GMAW)
- Shielded Metal Arc Welding (SMAW)
- Gas Tungsten Arc Welding (GTAW)
- Fluxed-Core Arc Welding (FCAW)

Coursework will consist of classroom discussions, reading assignments, test/quizzes, as well as hands-on projects. All welding competencies will be evaluated using American Welding Society (AWS) Structural Steel. This course is offered as a dual credit option for SMAW or GMAW welding processes through Madison College.

WOODS I: FINE WOODWORKING

Course ID: TEE1081
Prerequisite: None
Credit: 1/2 (Semester 1)
Grades: 9-12

Description: Do you have an interest in fine woodworking skills and the equipment used to make these types of projects? Woods I will teach you the correct fundamental skills to safely use both hand and power tools while you learn basic skills of fine woodworking. Students will learn proper woodworking methods including designing and layout, selection of materials, machining procedures, joint construction, and finishing concepts. Students will be required to design, plan, and create one

project of their own choice towards the end of 1st semester. This class is highly recommended for any student who has an interest in a designing or construction pathway. Units of Study include: Safety, Joinery, Finishing, Design Techniques, Blue Print Planning & Construction, Project Procedural Outline, Board Foot Calculation, and Basic Linear Measurement.

WOODS II: ADVANCED FURNITURE THEORY

Course ID: TEE2082
Prerequisite: Woods I (C- or higher)
Credit: 1/2 (Semester 2)
Grades: 10-12

Description: Do you want to learn more about cabinet work and interior furniture? Woods II is a class in which we take an in-depth look at how kitchen cabinets and interior furniture is designed and constructed. Through a standard class project, students will learn how to create cabinet doors, install and create cabinet drawers, laminate a counter top, various fastening methods, along with the finishing process. Students will also perform routine maintenance on all fine wood-working equipment. Students will be responsible for designing, constructing, and finishing a project that accurately reflects the concepts that were learned through standard class project. A student who has an interest in design or construction, specifically the field of finish carpentry should consider taking this class. Students interested in pursuing a construction career path may consider taking prep trades and construction trades as well. Units of Study include: Safety, Equipment Maintenance, Cabinet Construction, Finishing Techniques, Precision Measurement Tools, Laminate Processes, Blue Print Design, and Project Estimation.

YEARBOOK

Course ID: TEE1101-1102
Prerequisite: None
Credit: 1.0 (Semester 1 and 2)
Grades: 9-12

Description: In this fast-paced class the yearbook staff learns about and produces the school’s annual yearbook “Whipurwauna”. Students will learn Photography, Basic Design, Page Layout, Press Law, and Production Skills as well as 21st Century Technology skills. The course includes students working cooperatively to produce the school yearbook from concept to completion. Students who are interested in writing, editing, design, art, photography, and production are strongly encouraged to take this class. Yearbook may be taken multiple years by incorporating yearbook independent study into your schedule. This class is recommended for extremely creative, talented, and committed 9-12 graders who want to leave their fingerprint on their school by working on an award winning publication that will live on long after graduation. Students should understand that this class is an all-year class. Seniors may also add this class second semester only, if their schedule does not permit enrolling for the entire year.

Students entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a:

**Architecture and Construction Youth Apprenticeship
or Manufacturing Youth Apprenticeship
or Science, Technology, Engineering & Math (STEM) Youth Apprenticeship
or Transportation, Distribution, & Logistics Youth Apprenticeship**

These rigorous one- or two-year programs include pathways for Construction, Design/Pre-Construction, Automotive Technician, Production, Production Operations Management, Maintenance, Installation, & Repair, Engineering, Logistics/Supply Chain Management, and Mobile Equipment Maintenance. Please refer to the “School to Career” section in the course handbook for more information on this work based learning opportunity that provides students with industry-defined occupational and employability skills.

WORLD LANGUAGE

Course	Freshman	Sophomore	Junior	Senior
French I	E	E	E	E
French II	E	E	E	E
French III		E	E	E
French IV			E	E
French V* - CAPP				E
Intermediate French for Proficiency			E	E
Intermediate Spanish for Proficiency		E	E	E
Mandarin Chinese I	E	E	E	E
Mandarin Chinese II	E	E	E	E
Mandarin Chinese III		E	E	E
Mandarin Chinese IV			E	E
Spanish I	E	E	E	E
Spanish II	E	E	E	E
Spanish III	E	E	E	E
Spanish IV		E	E	E
Spanish V* - CAPP			E	E
Spanish VI - CAPP			E	E
Spanish for Heritage Speakers	E	E	E	E

E = Elective and the year student is eligible to take the course.

Why Should You Take a World Language Course?

***Note:** Qualified juniors and seniors may earn college credit through CAPP. All dual credit options are dependent upon appropriate teacher certification and may change with changes in staffing. An additional 11 credits may be earned retroactively upon enrollment in the UW system, if a grade of 83% or better is earned both semesters. Additional four-year universities may offer retroactive credit, please check with the individual university.

FRENCH I

Course ID: WLA1111-1112
Prerequisite: None
Credit: 1.0 (Semester 1 and 2)
Grades: 9-12
Description: Focus on communicating in French on introductory topics with comparisons to the French-speaking world.

FRENCH II

Course ID: WLA1121-1122
Prerequisite: French I (C or better)
Credit: 1.0 (Semester 1 and 2)
Grades: 9-12
Description: Continue building on reading, writing, listening, and speaking in French with a cultural focus on France.

FRENCH III

Course ID: WLA2111-2112
Prerequisite: French II (C or better)
Credit: 1.0 (Semester 1 and 2)
Grades: 10-12
Description: Students improve their proficiency in French by applying it in a variety of ways. Cultural focus on Francophone Africa.

FRENCH IV

Course ID: WLA3111-3112
Prerequisite: French III (C or better)
Credit: 1.0 (Semester 1 and 2)
Grades: 11-12
Description: Tour the French-speaking Caribbean. Read, write, speak, and listen predominately in FRENCH!

FRENCH V

Course ID: WLA4111-4112
Prerequisite: French IV (C or better)
Credit: 1.0 (Semester 1 and 2)
Grades: 12
Description: Improve proficiency while studying the French-speaking world. Find dual-credit information through [UW-Oshkosh CAPP](#).
Note: Qualified juniors and seniors may earn college credit through CAPP. All dual credit options are dependent upon appropriate teacher certification and may change with changes in staffing. An additional 11 credits may be earned retroactively upon enrollment in the UW system if a grade of 83% or better is earned between the two semesters. Additional four-year universities may offer retroactive credit, please check with the individual university.



INTERMEDIATE FRENCH FOR PROFICIENCY

Course ID: WLA3121-3122
Prerequisite: French III (C or better)
Credit: 1.0 (Semester 1 and 2)
Grades: 11-12

Description: This course is designed to advance your communication skills in French from Intermediate toward the Advanced level. Your grade will be based on your growth documented in a portfolio applying the [ACTFL performance descriptors](#). Learning targets will be determined jointly by the teacher and student according to individual abilities and goals. Students should expect to function in French 90%+ of the time. This course is open to students who have completed French III or higher with a grade of “C” or better. It assumes a minimum performance level of Intermediate Low at the start of the course. It can be taken as a stand-alone class, or in conjunction with advanced French coursework (French IV or V). The course may be repeated, as the course syllabus will alternate each year. The class is built around themes (Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, Beauty and Aesthetics). This course does not have the traditional college prep focus, but it could serve as a great complement to the traditional track French courses.

INTERMEDIATE SPANISH FOR PROFICIENCY

Course ID: WLA2021-2022
Prerequisite: Spanish III (C or better)
Credit: 1.0 (Semester 1 and 2)
Grades: 10-12

Description: This course is designed to advance your communication skills in Spanish from Intermediate toward the Advanced level. Your grade will be based on your growth as measured by interpretive, interpersonal, and presentational performance assessment tasks applying the [ACTFL performance descriptors](#). Learning targets will be determined jointly by the teacher and student according to individual abilities and goals. Students should expect to function in Spanish 90%+ of the time. They should also be able to maintain self-discipline and focus to complete project-related activities independently. This course is open to students who have completed Spanish III or higher with a grade of “C” or better. It assumes a minimum performance level of Intermediate Low at the start of the course. It can be taken as a stand-alone class, or in conjunction with advanced Spanish coursework (Spanish IV, V, or VI). The course may be repeated, as the syllabus will adjust to student needs each year. The class is built around themes and projects, where student voice and choice is inherent. This course does not have the traditional college prep focus, but it could serve as a great complement to the traditional track Spanish courses.

MANDARIN CHINESE I

Course ID: WLA1211-1212
Prerequisite: None
Credit: 1.0 (Semester 1 and 2)
Grades: 9-12

Description: In Mandarin Chinese I, students will learn Chinese language for specific purposes in a variety of situations with ever-increasing linguistic and cultural accuracy. Students will begin learning both spoken and written aspects of the language. As written Chinese is very different from English, a good amount of time will be spent learning the foundation of written language within the context of the spoken language. Students will learn culturally relevant

information about various themes and be able to talk about them in different ways. Students will begin to acquire cultural knowledge and culturally appropriate interaction skills essential for basic communication and begin to develop real-life uses for Chinese within the community. Students will develop insights into their own language and culture through linguistic as well as cultural comparisons with the Chinese language and culture. Students will become aware of the use of Chinese in their community and will access Chinese cultural learning material through technology. Students should expect to actively participate and to have daily homework to practice their skills, frequent quizzes, and performance assessments in all skills: listening, speaking, reading, and writing.

MANDARIN CHINESE II

Course ID: WLA1221-1222
Prerequisite: Mandarin Chinese I (C or better)
Credit: 1.0 (Semester 1 and 2)
Grades: 9-12

Description: Mandarin Chinese II is a continuation of Mandarin Chinese level I where students will further develop their skills in listening, reading, speaking, and writing with an emphasis on communication skills in “real world” situations in greater depth. This year students will become more capable of using their own language skills in various situations with increased complexity. Students will continue to focus on developing verbal and written skills through a variety of activities and projects. The theme of level two is "empowering". Students will learn culturally relevant information with the theme of "being empowered" and will be able to talk about them in different ways. Students will begin to acquire cultural knowledge and culturally appropriate interaction skills essential for basic communication and begin to develop real-life uses for Chinese within the community. Students will develop insights into their own language and culture through linguistic as well as cultural comparisons with the Chinese language and culture. Students will become aware of the use of Chinese in their community and will access Chinese cultural learning material through technology. Students should expect to actively participate and to have daily homework to practice their skills, frequent quizzes, and performance assessments in all skills: listening, speaking, reading, and writing.

MANDARIN CHINESE III

Course ID: WLA2211-2212
Prerequisite: Mandarin Chinese II (C or higher)
Credit: 1.0 (Semester 1 and 2)
Grades: 10-12

Description: Mandarin Chinese III is a continuation of Mandarin Chinese level II where students will further develop their skills through listening, reading, speaking, and writing with an emphasis on communication skills in “real world” situations in greater depth. This year students will become more capable of using their own language skills in various situations with increased complexity. Students will continue to focus on developing verbal and written skills through a variety of activities and projects. The theme of level three is "the thinker." This year students will learn about Chinese philosophies and how they connect to themselves and to the world. Students will learn culturally relevant information through texts that include moral and philosophical thought and will be able to talk about them in different ways. Students will begin to acquire cultural knowledge and culturally appropriate interaction skills essential for basic communication and begin to develop real-life uses for Chinese

within the community. Students will develop insights into their own language and culture through linguistic as well as cultural comparisons with the Chinese language and culture. Students will become aware of the use of Chinese in their community and will access Chinese cultural learning material through technology. Students should expect to actively participate and to have daily homework to practice their skills, frequent quizzes and performance assessments in all skills: listening, speaking, reading, and writing.

MANDARIN CHINESE IV

Course ID: WLA3211-3212
Prerequisite: Mandarin Chinese III (C or better)
Credit: 1.0 (Semester 1 and 2)
Grades: 11-12

Description: This course builds on language skills developed in Mandarin Chinese I, II, and III. The course will complete and review basic grammar and key sentence patterns of Chinese, provide practice in the appropriate use of idiomatic expressions, and further develop skill in reading and writing Hanzi (Chinese characters). It will also build vocabulary, expand reading comprehension, and encourage extensive conversation in Chinese. It will cover additional aspects about Chinese culture and history.

SPANISH I

Course ID: WLA1011-1012
Prerequisite: None
Credit: 1.0 (Semester 1 and 2)
Grades: 9-12

Description: Focus on communicating in Spanish about topics that are relevant to students and their lives. Cultural comparison with Mexico.

SPANISH II

Course ID: WLA1021-1022
Prerequisite: Spanish I (C or better)
Credit: 1.0 (Semester 1 and 2)
Grades: 9-12

Description: Continue building skills of reading, writing, listening, and speaking in Spanish through a focus on Spain.

SPANISH III

Course ID: WLA1031-1032
Prerequisite: Spanish II (C or better)
Credit: 1.0 (Semester 1 and 2)
Grades: 9-12

Description: Students improve their proficiency in the language by applying it in a variety of ways. Cultural focus in South America.

SPANISH IV

Course ID: WLA2011-2012
Prerequisite: Spanish III (C or better)
Credit: 1.0 (Semester 1 and 2)
Grades: 10-12

Description: Tour the Caribbean and explore issues Latinos face. Read, write, speak, and listen predominately in SPANISH!

SPANISH V

Course ID: WLA3011-3012
Prerequisite: Spanish IV (C or better)
Credit: 1.0 (Semester 1 and 2)
Grades: 11-12



Description: Improve proficiency while studying the Spanish-speaking world. Find dual-credit information through [UW-Oshkosh CAPP](#). CAPP is an OPTION for this course, not a requirement. **Note:** Qualified juniors and seniors may earn 5 college credits through CAPP. (Cost of tuition paid by student/student family.) All dual credit options are dependent upon appropriate teacher certification and may change with changes in staffing. An additional 11 credits may be earned retroactively upon enrollment in the UW system if a grade of 83% or better is earned when the two semesters are averaged together. Additional four-year universities may offer retroactive credit, please check with the individual university.

SPANISH VI

Course ID: WLA4011-4012
Prerequisite: Spanish V (C or better)
Credit: 1.0 (Semester 1 and 2)
Grades: 12



Description: An advanced grammar, literature, composition, and conversation course situated in the Spanish-speaking world. Find dual-credit information through [UW-Oshkosh CAPP](#). To receive CAPP credit for Spanish VI, Spanish V for CAPP credit must have been successfully completed. CAPP is an OPTION for this course, not a requirement. **Note:** Qualified juniors and seniors may earn college credit through CAPP. All dual credit options are dependent upon appropriate teacher certification and may change with changes in staffing.

SPANISH FOR HERITAGE SPEAKERS

Course ID: WLA1041-1042
Prerequisite: None
Credit: 1.0 (Semester 1 and 2)
Grades: 9-12

Description: This course is designed to help heritage Spanish/English speakers develop both language and cultural bi-literacy in an environment where students’ background knowledge and personal experiences are valued and utilized. Students will refine their communication skills with project based activities based on themes and individual goals. Prerequisites: Advanced fluency in oral Spanish and desire to become bi-literate. This course may be repeated.

THE 16 CAREER CLUSTERS



CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

Agriculture, Food & Natural Resources



CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

Architecture & Construction



CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

Arts, A/V Technology & Communications



CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

Business Management & Administration



CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

Education & Training



CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

Finance



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PATHWAYS TO COLLEGE & CAREER READINESS

Government & Public Administration



CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

Health Science



CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

Hospitality & Tourism



CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

Human Services



CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

Information Technology



CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

Law, Public Safety, Corrections & Security



CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

Manufacturing



CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

Marketing



CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

Science, Technology, Engineering & Mathematics



CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

Transportation, Distribution & Logistics

WAUNAKEE HIGH SCHOOL PROGRAM OF STUDY

Agriculture, Food, and Natural Resources

This Program of Study prepares learners for careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services. This includes food, fiber, wood products, natural resources, horticulture, and other plant and animal products. It also includes related professional, technical, and educational services.

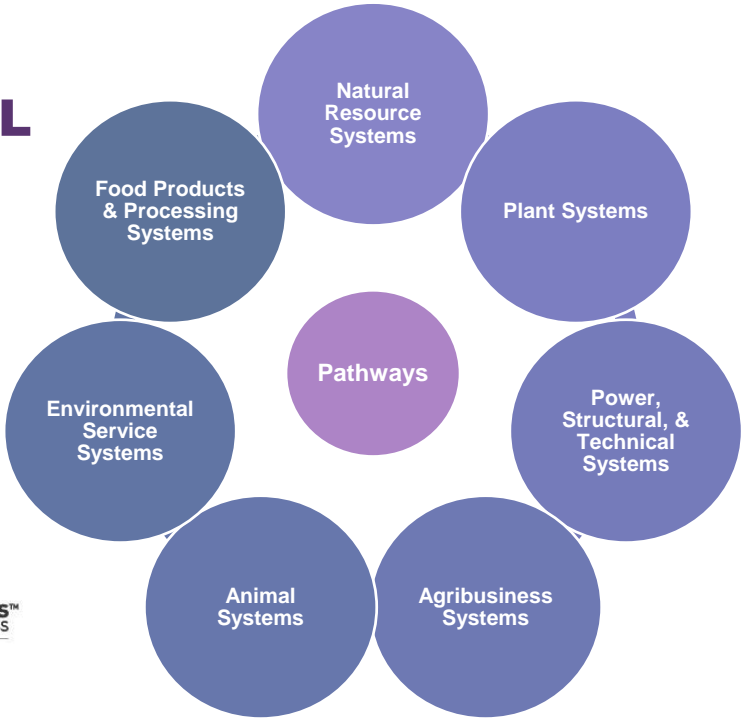


OVERVIEW

Waunakee High School has created this Career Cluster Program of Study to serve as a guide for all learners, parents, counselors, and faculty members, partnered with other career planning materials, to help learners continue on a career path. Courses listed within the plan are strongly recommended but each plan should be individualized to meet each learner’s educational and career goals.

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to **all** Programs.



Pathway	
Agribusiness Systems	AGRICULTURE EDUCATION: Ag Business, Ag Machine & Building, Ag Youth Apprenticeship BUSINESS & INFO TECHNOLOGY AND MARKETING: Accounting, MS Excel & Access, Concepts of Entrepreneurship, Marketing 1
Animal Systems	AGRICULTURE EDUCATION: Intro to Agriculture, Animal Science, Livestock & Equine Management, Vet Science, Small Animal & Pet Care SCIENCE: Biotech Career Apps, Biotechnology
Environmental Service Systems	AGRICULTURE EDUCATION: Natural Resources I, Natural Resources II SCIENCE: Biotech Career Apps, Biotechnology, Ecology I and II
Food Products and Processing Systems	AGRICULTURE EDUCATION: Intro to Agriculture, Food Science SCIENCE: Biotech Career Apps, Biotechnology
Natural Resource Systems	AGRICULTURE EDUCATION: Natural Resources I, Natural Resources II SCIENCE: Biotech Career Apps, Biotechnology, Ecology I and II
Plant Systems	AGRICULTURE EDUCATION: Intro to Agriculture, Plant Science, Landscaping Design
Power, Structural, and Technical Systems	AGRICULTURE EDUCATION: Ag Machine & Building TECH ED & ENGINEERING: Basic Home & Auto Maintenance
RECOMMENDED COURSES FOR ENTIRE CLUSTER	COMMUNICATION ARTS: Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech MATH: AP Statistics SOCIAL STUDIES: Exploring Wisconsin, Economics/AP Economics, Social Problems, Modern Global Studies, AP Government & Politics WORLD LANGUAGE: 2-3 years of any language



Suggested Student Organizations

Waunakee High School organizations directly aligned to this specific Program of Study.

Organization	Adviser/Mentor
FFA	Engel/Knapp/Winkelman
Friends of Schmidt’s Woods	Shucha
FBLA (AgriBusiness, specifically)	Serum/Trumbower
Science Club	West
GROW	Rogers

Recommended Career Experiences & Work Based Learning

Waunakee High School career experiences and work based learning opportunities directly aligned to this specific Program of Study.

Career Experience and/or Work Based Learning	Information and Related Links
WHS Ag, Food, & Natural Resources Youth Apprenticeship	Dane County School Consortium YA Program - Agriculture
Supervised Agriculture Experience	Work with your Agriculture Education instructors
Job Shadowing	

Wisconsin Technical College System Related Programs

- Agribusiness
 - Ag Power & Equipment Tech
 - Culinary Arts
 - Dairy Science
 - Dairy Herd Management
 - Farm Business Production Management
 - Energy Efficiency Technician
- Farm Operation
 - Green Industry Technician
 - Health & Water Quality Tech
 - Horticulture Tech
 - Laboratory Tech Assistant
 - Landscape Horticulture
 - Natural Resources Technician
 - Nuclear Technology
- Urban Forestry Technician
 - Veterinary Technician
 - Water Quality Technician
 - Welding
 - Wildland Firefighter
 - Wind Energy Technology

Wisconsin College/University System Related Programs

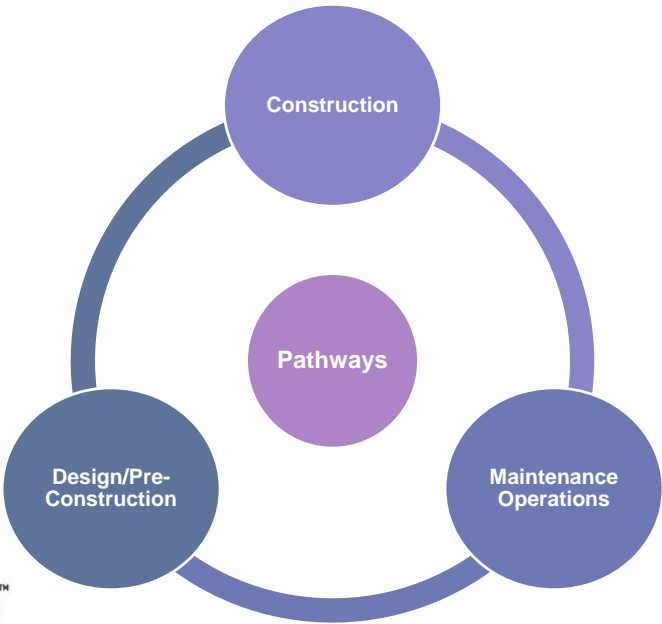
- Agricultural Business
 - Agriculture Education
 - Agricultural Engineering
 - Agricultural Journalism
 - Agronomy
 - Animal Science
 - Conservation
 - Crop and Soil Science
- Dairy Science
 - Environmental Science
 - Fisheries and Water Resources
 - Food Science
 - Forestry
 - Horticulture
 - Land Use Planning
 - Nutritional Science
- Ornamental Horticulture
 - Plant Science
 - Poultry Science
 - Reclamation & Conservation
 - Resource Management
 - Soil Science
 - Wildlife Ecology
 - Zoology

WAUNAKEE HIGH SCHOOL

PROGRAM OF STUDY

Architecture and Construction

This Program of Study prepares learners for careers in designing, planning, managing, building, and maintaining the building environment. People employed in this cluster work on new structures, restorations, additions, alterations, and repairs.



CareerClusters™

PATHWAYS TO COLLEGE & CAREER READINESS

OVERVIEW

Architecture & Construction

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Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to **all** Programs.

Pathway	
Construction	AGRICULTURE EDUCATION: Ag Machine & Building TECH ED & ENGINEERING: Construction I, Construction II, Construction III
Design/Pre-Construction	AGRICULTURE EDUCATION: Ag Machine & Building TECH ED & ENGINEERING: Architectural Drafting, IDEA, Big IDEA
Maintenance Operations	
RECOMMENDED COURSES FOR ENTIRE CLUSTER	COMMUNICATION ARTS: Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech MUSIC EDUCATION: Any Music Class MATH: AP Statistics SOCIAL STUDIES: Economics/AP Economics, Sociology, Social Problems, AP Government & Politics, Issues in Psychology, AP Psychology TECH ED & ENGINEERING: Woods I, Woods II, Intro to Industrial Technology, Principles of Engineering WORLD LANGUAGE: 2 years of any language

Suggested Student Organizations

Waunakee High School organizations directly aligned to this specific Program of Study.

Organization	Adviser/Mentor
SkillsUSA	France



Recommended Career Experiences & Work Based Learning

Waunakee High School career experiences and work based learning opportunities directly aligned to this specific Program of Study.

Career Experience and/or Work Based Learning	Information and Related Links
WHS Architecture & Construction Youth Apprenticeship	Dane County School Consortium YA Program – Arch & Const
Job Shadowing	
Post-Secondary Apprenticeships	Contact the School to Career Coordinator

Wisconsin Technical College System Related Programs

- Air Conditioning, Heating & Refrigeration Technology
 - Architectural Technology
 - Bricklaying & Masonry
 - Building Trades
 - Cabinetmaking & Millwork
 - Carpentry
 - Civil Engineering Technology
 - Concrete Finisher Apprentice
 - Construction Management Tech
 - Electric Line Apprentice
 - Electrical Power Distribution
 - Electrician Apprentice
- Electricity
 - Energy Management Technology
 - HVAC
 - Interior Design
 - Ironworker Apprentice
 - Journey Worker
 - Land Survey Technician
 - Marketing
 - Painting Apprentice
 - Plumbing Apprentice
 - Power Engineering & Boiler Operator
 - Prototype & Design
- Renewable Energy Specialist
 - Residential Constriction
 - Roofer Apprentice
 - Sheet metal Apprenticeship
 - Steam fitting Apprentices
 - Structural Steel Detailing
 - Sustainable Facility Operations
 - Telecom Installer Tech
 - Welding
 - Wood Technics

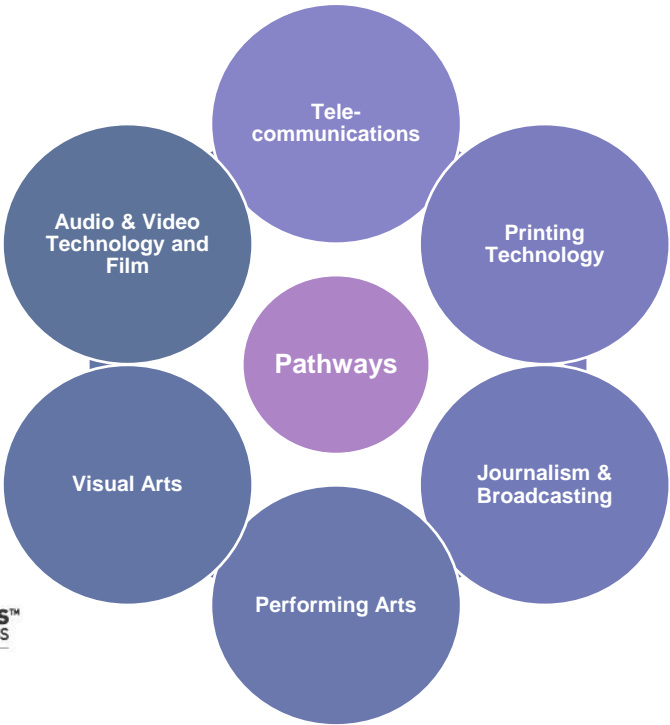
Wisconsin College/University System Related Programs

- Architectural Studies
- Construction
- Landscape Architecture

WAUNAKEE HIGH SCHOOL PROGRAM OF STUDY

Arts, A/V Technology & Communications

Individuals that work in the A/V Communications industry manufacture, sell, rent, design, install, integrate, operate, and repair the equipment of audiovisual communications. Careers include designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.



OVERVIEW

Waunakee High School has created this Career Cluster Program of Study to serve as a guide for all learners, parents, counselors, and faculty members, partnered with other career planning materials, to help learners continue on a career path. Courses listed within the plan are strongly recommended but each plan should be individualized to meet each learner’s educational and career goals.

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

Pathway	
Audio & Video Technology and Film	ART EDUCATION: 3D Animation I, 3D Animation II BUSINESS & INFO TECHNOLOGY AND MARKETING: Multimedia & Video Editing COMMUNICATION ARTS: Digital Communications, Mass Media COMPUTER SCIENCE: Computational Thinking, Game Design
Journalism and Broadcasting	ART EDUCATION: Graphic Design, Photoshop, Photoshop II COMMUNICATION ARTS: Digital Communications, Speech, Persuasion & Debate, Advanced Composition MATH: Intro to Statistics, AP Statistics TECH ED & ENGINEERING: Yearbook
Performing Arts	COMMUNICATION ARTS: Dramatic Literature MUSIC EDUCATION: Any Music Class
Printing Technology	ART EDUCATION: Graphic Design, Printmaking TECH ED & ENGINEERING: Yearbook
Telecommunications	ART EDUCATION: Graphic Design, Photoshop, Photoshop II COMMUNICATION ARTS: Digital Communications, Speech, Persuasion & Debate, Advanced Composition, Mass Media
Visual Arts	TECH ED & ENGINEERING: Yearbook FAMILY & CONSUMER SCIENCES: Fashion & Fabrics, Creative Fashions, Interior & Housing Services ART EDUCATION: Elements of Art 2D and/or 3D, Graphic Design, Advanced 2D Art and/or Advanced 3D Art, Photoshop, Painting, Ceramics, Art Metals, Drawing & Printmaking, Textiles, Photography, Advanced Art Workshop BUSINESS & INFO TECHNOLOGY AND MARKETING: Marketing 1 and 2 COMPUTER SCIENCE: Computational Thinking, Game Design
RECOMMENDED COURSES FOR ENTIRE CLUSTER	BUSINESS & INFO TECHNOLOGY AND MARKETING: Web Design COMMUNICATION ARTS: Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech MUSIC EDUCATION: Any Music Class WORLD LANGUAGE: 2 years of any language SOCIAL STUDIES: Issues in Psychology, Sociology, AP Psychology, Social Problems, Exploring Wisconsin, America in Conflict

Suggested Student Organizations

Waunakee High School organizations directly aligned to this specific Program of Study.

Organization	Adviser/Mentor
Art Club	Crook/Gross
FCCLA	Anderson/Neitzel
Drama Club	Braun
Forensics	Stenz
FBLA	Serum/Trumbower
Music (Band, Choir, Orchestra)	Music Department
Purple Sage	Rademacher



Recommended Career Experiences & Work Based Learning

Waunakee High School career experiences and work based learning opportunities directly aligned to this specific Program of Study.

Career Experience and/or Work Based Learning	Information and Related Links
WHS Graphic Arts/Print Apprenticeship	Dane County School Consortium YA Program – Graphic Arts/Print
Job Shadowing	
Warrior Media	See Mr. McConnell for information on this paid work experience

Wisconsin Technical College System Related Programs

- Animation
 - Broadcast Captioning
 - Digital Media Arts
 - Graphic and Web Design
 - Graphic Communication Tech
 - Graphic Design
 - Interactive Media Design
- Interior Design
 - IT-Network Specialist
 - Marketing-Communications
 - Music Occupations
 - Packing & Label Printing
 - Photography
 - Print & Digital Media
- Printing
 - Printing & Publishing
 - Technical Communications
 - Telecommunications Technician
 - Visual Communication
 - Web & Digital Media Design

Wisconsin College/University System Related Programs

- Agricultural Journalism
 - Apparel Design & Development
 - Art
 - Art Education
 - Arts Management
 - Fine Arts
 - Graphic Communication Management
 - Information & Communication Tech
- Interior Architecture
 - Interior Design
 - Journalism
 - Media Communications
 - Marketing Communications
 - Mass Communication
 - Multimedia Digital Arts
 - Music
 - Music Education
 - Performing Arts
- Radio-TV Film
 - Speech
 - Technical Communication
 - Textile & Apparel Design
 - Theatre Arts
 - Visual Arts
 - Web & Digital Media Development

WAUNAKEE HIGH SCHOOL PROGRAM OF STUDY

Business Management and Administration

The Business Management and Administration Cluster prepares learners for careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service, and communication.



OVERVIEW

Waunakee High School has created this Career Cluster Program of Study to serve as a guide for all learners, parents, counselors, and faculty members, partnered with other career planning materials, to help learners continue on a career path. Courses listed within the plan are strongly recommended but each plan should be individualized to meet each learner’s educational and career goals.

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

Pathway	
Administrative Support	BUSINESS & INFO TECHNOLOGY AND MARKETING: MS Office Basics, MS Office Advanced
Business Information Management	BUSINESS & INFO TECHNOLOGY AND MARKETING: MS Office Basics, MS Office Advanced COMPUTER SCIENCE: Computational Thinking, IT Essentials
General Management	BUSINESS & INFO TECHNOLOGY AND MARKETING: Marketing 1, Management & Ethics
Human Resources Management	BUSINESS & INFO TECHNOLOGY AND MARKETING: Marketing 1, Management & Ethics
Operations Management	BUSINESS & INFO TECHNOLOGY AND MARKETING: Marketing 1, Marketing 2, Management & Ethics
RECOMMENDED COURSES FOR ENTIRE CLUSTER	BUSINESS & INFO TECHNOLOGY AND MARKETING: Accounting, Global Business, MS Excel & Access COMMUNICATION ARTS: Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech MATH: AP Statistics, Intro to Statistics, Pre-Calculus (for any degrees that require Calculus) MUSIC EDUCATION: Any Music Class SOCIAL STUDIES: Economics/AP Economics WORLD LANGUAGE: 2-3 years of any language

Suggested Student Organizations

Waunakee High School organizations directly aligned to this specific Program of Study.



Organization	Adviser/Mentor
FBLA	Serum/Trumbower
DECA	Heck/Meinholz
Student Council	Hernandez/Lensert
Class Officers	Huttenburg

Recommended Career Experiences & Work Based Learning

Waunakee High School career experiences and work based learning opportunities directly aligned to this specific Program of Study.

Career Experience and/or Work Based Learning	Information and Related Links
WHS Finance Apprenticeship	Dane County School Consortium YA Program – Finance
WHS Marketing Apprenticeship	Dane County School Consortium YA Program – Marketing
WHS IT Apprenticeship	Dane County School Consortium YA Program – Information Technology
Job Shadowing	

Wisconsin Technical College System Related Programs

- Accounting
 - Business Management
 - Hotel/Hospitality Management
 - Human Resource Management
 - Instructional Assistant
 - IT-Computer Support Specialist
 - IT-Network Communication Specialist
 - IT-Programmer/Analyst
- IT-Web Developer/Administrator
 - Leadership Development
 - Legal Administrative Professional
 - Management Development
 - Manufacturing Management
 - Medical Administrative Specialist
 - Medical Transcription
 - Meeting & Event Management
- Office Assistant
 - Office Support Specialist
 - Office Technology Assistant
 - Quality Management
 - Small Business Entrepreneurship
 - Supervisory Management
 - Technical Communications

Wisconsin College/University System Related Programs

- Actuarial Science
 - Agricultural Business
 - Arts Management
 - Business Administration
 - Business Education
 - Business Accounting
 - Fitness Management
 - General Management
 - Golf Enterprise Management
 - Graphic Communication Management
 - Health Care Administration
- Hotel, Restaurant & Tourism Management
 - Human Resource Management
 - Industrial Technology Management
 - Information Systems
 - Information Technology Management
 - Leadership & Organizational Studies
 - Management
 - Management Computer Systems
- Real Estate & Urban Development
 - Recreation Management
 - Retail Merchandising & Management
 - Service Management
 - Sport Management
 - Sustainable Management
 - Transportation & Logistics Management

WAUNAKEE HIGH SCHOOL

PROGRAM OF STUDY

Education and Training

This Program of Study prepares learners for careers in planning, managing, and providing education and training services, and related learning support services such as administration, teaching/training, administrative support, and professional support services.





CareerClusters™

PATHWAYS TO COLLEGE & CAREER READINESS

Education & Training

Waunakee High School has created this Career Cluster Program of Study to serve as a guide for all learners, parents, counselors, and faculty members, partnered with other career planning materials, to help learners continue on a career path. Courses listed within the plan are strongly recommended but each plan should be individualized to meet each learner's educational and career goals.

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

Pathway	
Administration and Administrative Support	BUSINESS & INFO TECHNOLOGY AND MARKETING: MS Excel & Access, Management & Ethics MATH: Intro to Statistics, AP Statistics
Professional Support Services	BUSINESS & INFO TECHNOLOGY AND MARKETING: MS Excel & Access
Teaching and Training	BUSINESS & INFO TECHNOLOGY AND MARKETING: Web Design FAMILY & CONSUMER SCIENCES: Child Care I, Child Care II MATH: Intro to Statistics, AP Statistics
RECOMMENDED COURSES FOR ENTIRE CLUSTER	COMMUNICATION ARTS: Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech MUSIC EDUCATION: Any Music Class SOCIAL STUDIES: Sociology, Issues in Psychology, AP Psychology, Social Problems, America in Conflict, Economics/AP Economics, Exploring Wisconsin, Modern Global Studies, AP European History, AP Government & Politics WORLD LANGUAGE: 4 years of any language

Suggested Student Organizations

Waunakee High School organizations directly aligned to this specific Program of Study.

Organization	Adviser/Mentor
FCCLA	Anderson/Neitzel
Peer Tutors	See LMTC Staff



Recommended Career Experiences & Work Based Learning

Waunakee High School career experiences and work based learning opportunities directly aligned to this specific Program of Study.

Career Experience and/or Work Based Learning	Information and Related Links
WHS Child Services State Certified Coop	Wisconsin Skills Standards Certificate Programs
Job Shadowing	
Future Educator Internship	See Mrs. McGlynn and/or HS Counselor
Kokopelli Kafe Teacher Assistant	See Mrs. Dedrick and/or HS Counselor

Wisconsin Technical College System Related Programs

- Child Care Services
- Early Childhood Education
- Instructional Assistant
- Sign Language Interpreting In Education

Wisconsin College/University System Related Programs

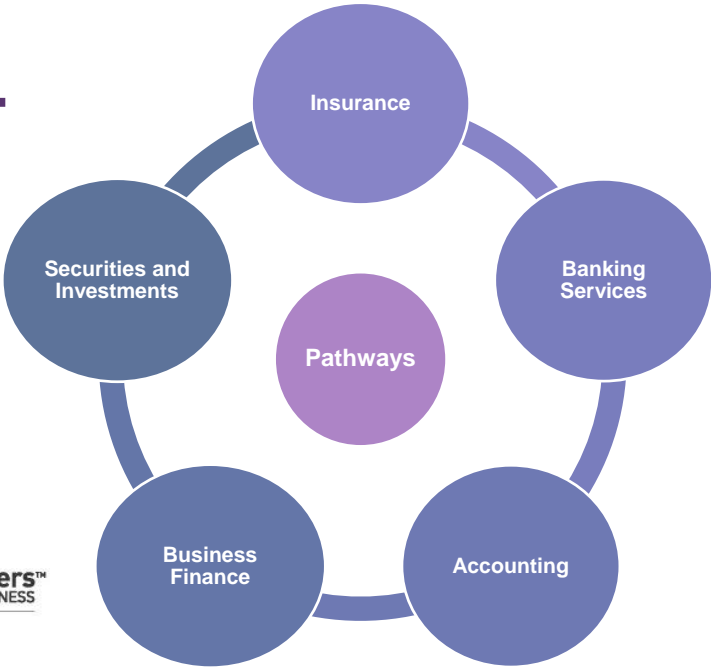
- Agricultural Education
- Art Education
- Business Education
- Community Education
- Community Health Education
- Early Childhood Education
- Education
- Elementary Education
- Exceptional Education
- Family & Consumer Science
- General Science
- Health Promotion
- Industrial Technology Education
- Marketing Education
- Music Education
- Physical Education
- Rehabilitation Psychology
- School Health Education
- Science Education
- Social Studies
- Special Education
- Technology Education
- Urban Education

WAUNAKEE HIGH SCHOOL

PROGRAM OF STUDY

Finance

The Finance Cluster prepares learners for careers in financial and investment planning, banking, insurance, and business financial management. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service, and communication.



OVERVIEW



Finance
CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

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Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to **all** Programs.

Pathway	
Accounting	BUSINESS & INFO TECHNOLOGY AND MARKETING: Accounting Independent Study, Management & Ethics
Banking Services	BUSINESS & INFO TECHNOLOGY AND MARKETING: Management & Ethics
Business Finance	AGRICULTURE EDUCATION: Ag Machine & Building BUSINESS & INFO TECHNOLOGY AND MARKETING: Accounting Independent Study
Insurance	AGRICULTURE EDUCATION: Ag Machine & Building BUSINESS & INFO TECHNOLOGY AND MARKETING: Concepts of Entrepreneurship
Securities and Investments	BUSINESS & INFO TECHNOLOGY AND MARKETING: Concepts of Entrepreneurship
RECOMMENDED COURSES FOR ENTIRE CLUSTER	AGRICULTURE EDUCATION: Ag Business BUSINESS & INFO TECHNOLOGY AND MARKETING: Dollars & Sense, MS Excel & Access, Accounting, Advanced Accounting, Global Business COMMUNICATION ARTS: Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech MATH: Intro to Statistics, AP Statistics, Pre-Calculus SOCIAL STUDIES: Economics/AP Economics, AP Psychology, AP Government & Politics, Sociology TECH ED & ENGINEERING: Intro to Industrial Technology WORLD LANGUAGE: 2 years of any language

Suggested Student Organizations

Waunakee High School organizations directly aligned to this specific Program of Study.

Organization	Adviser/Mentor
FBLA	Serum/Trumbower
DECA	Heck/Meinholz
Math Team	Schroeder



Recommended Career Experiences & Work Based Learning

Waunakee High School career experiences and work based learning opportunities directly aligned to this specific Program of Study.

Career Experience and/or Work Based Learning	Information and Related Links
WHS Finance Apprenticeship	Dane County School Consortium YA Information - Finance
Job Shadowing	
School Based Enterprise	Marketing Students should see Ms. Meinholz about working at Warrior Corner

Wisconsin Technical College System Related Programs

- Accounting
 - Accounting Assistant
 - Banking & Financial Services
 - Computerized Accounting Assistant
- Credit Business Management
 - Criminal Justice-Corrections Specialist
 - Finance
- Financial Institutions Management

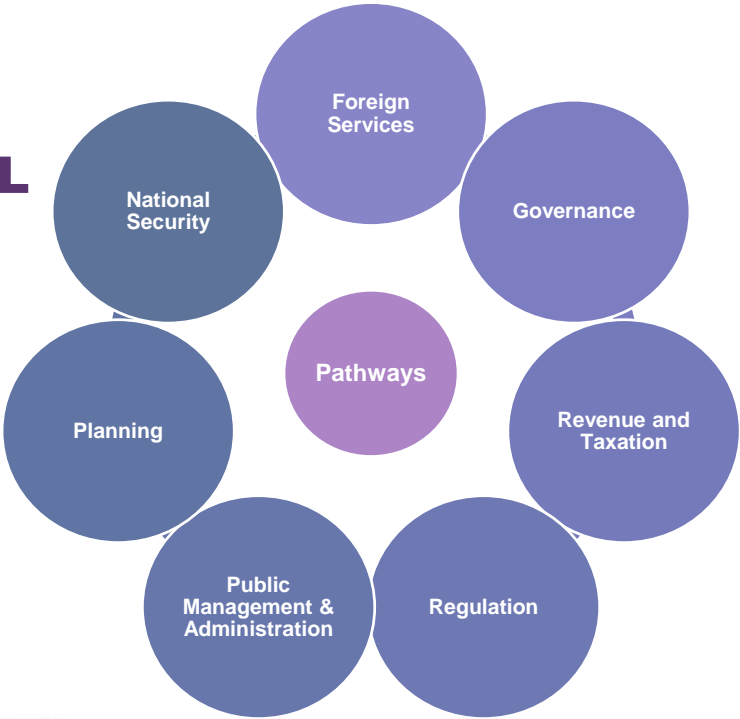
Wisconsin College/University System Related Programs

- Accountancy
 - Accounting
 - Actuarial Science
 - Business Finance
- Business Science
 - Business: Risk Management and Insurance
 - Economics
- Finance
 - Personal Finance

WAUNAKEE HIGH SCHOOL PROGRAM OF STUDY

Government & Public Administration

Government affects Americans in countless ways. In a democratic society, government is the means of expressing the public will. Virtually every occupation can be found within government. There are, however, some activities that are unique to government. There are many opportunities in government in every career area. The Government and Public Administration Career Cluster focuses on those careers that are unique to government and not contained in another Career Cluster.



OVERVIEW

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Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

Pathway	
Foreign Services	
Governance	
National Security	
Planning	
Public Management and Administration	BUSINESS & INFO TECHNOLOGY AND MARKETING: Dollars & Sense, Management & Ethics, Accounting, Advanced Accounting
Regulation	
Revenue and Taxation	BUSINESS & INFO TECHNOLOGY AND MARKETING: Dollars & Sense, Accounting, Advanced Accounting, Global Business
RECOMMENDED COURSES FOR ENTIRE CLUSTER	COMMUNICATION ARTS: Persuasion & Debate MUSIC EDUCATION: Any Music Class COMMUNICATION ARTS: Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech SOCIAL STUDIES: Modern Global Studies, Issues in Psychology, AP Psychology, AP Government & Politics, Sociology, Economics/AP Economics, Exploring Wisconsin, America in Conflict, Social Problems WORLD LANGUAGE: 4 years of any language



Suggested Student Organizations

Waunakee High School organizations directly aligned to this specific Program of Study.

Organization	Adviser/Mentor
Forensics	Stenz
FBLA	Serum/Trumbower
Model United Nations	Ames
Mock Trial	Barfknecht
Young Conservatives	Schaefer
Young Progressives	
Student Council	Hernandez/Lensert
Class Officers	Huttenburg
Pay it Forward	Rogers
Wisconsin Civics Games	Rogers

Recommended Career Experiences & Work Based Learning

Waunakee High School career experiences and work based learning opportunities directly aligned to this specific Program of Study.

Career Experience and/or Work Based Learning	Information and Related Links
Job Shadowing	

Wisconsin Technical College System Related Programs

- Accounting
- Business Management
- Leadership Development

Wisconsin College/University System Related Programs

- Community & Environmental Sociology
- Environmental Policy & Planning
- Human Services Leadership
- International Studies
- Land Use Planning
- Political Science
- Public Administration
- Public Administration & Policy Analysis
- Public Policy & Administration
- Real Estate & Urban Development
- Urban and Regional Studies
- Urban Planning

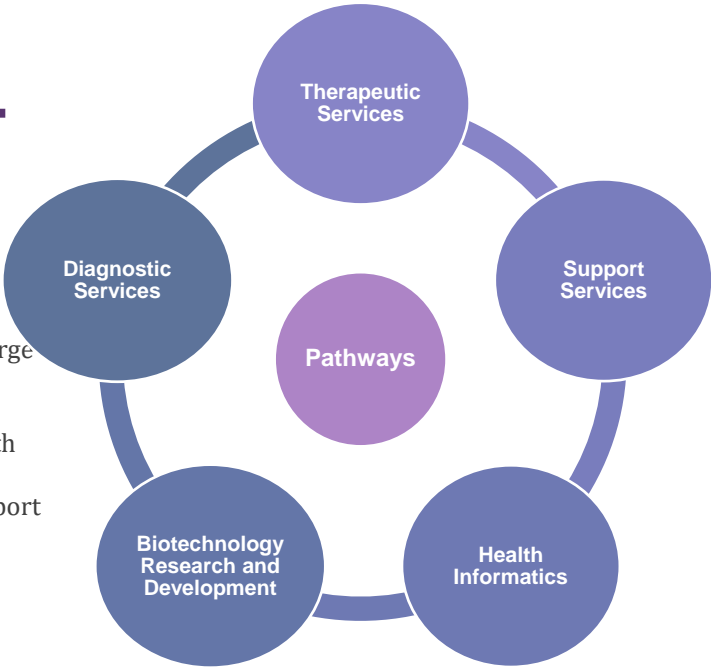
WAUNAKEE HIGH SCHOOL

PROGRAM OF STUDY

Health Science

The Health Science Program of Study connects individuals to a large variety of health care areas that is characterized by diversity and changing technologies. This Program of Study allows students to investigate and observe a large variety of health care areas. Health Science careers include planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS



OVERVIEW

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Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to **all** Programs.

Pathway		
Biotechnology Research and Development (Connected to Ag, Food & Natural Resources AND STEM)		FAMILY & CONSUMER SCIENCES: Health Science Occupations, Foundations of Health Care, Medical Terminology SCIENCE: Biotech Career Apps, Biotechnology, Human Anatomy & Physiology I and II, AP Biology, Principles of Biomedical Science
Diagnostic Services (Connected to IT)	COMPUTER SCIENCE: Computational Thinking, IT Essentials, Computer Science I and II, AP Computer Science A FAMILY & CONSUMER SCIENCES: Health Science Occupations, Foundations of Health Care, Medical Terminology SCIENCE: Biotech Career Apps, Biotechnology, Principles of Biomedical Science	
Health Informatics (Connected to Business, Management & Administration AND Law/Public Safety, AND STEM)		BUSINESS & INFO TECHNOLOGY AND MARKETING: Management & Ethics FAMILY & CONSUMER SCIENCES: Health Science Occupations, Foundations of Health Care, Medical Terminology SCIENCE: Principles of Biomedical Science
Support Services (Connected to Human Services AND STEM)		FAMILY & CONSUMER SCIENCES: Health Science Occupations, Foundations of Health Care, Medical Terminology, Personal Relationships
Therapeutic Services (Connected to Human Services AND STEM)		BUSINESS & INFO TECHNOLOGY AND MARKETING: Concepts of Entrepreneurship FAMILY & CONSUMER SCIENCES: Health Science Occupations, Foundations of Health Care, Medical Terminology SCIENCE: Biotechnology, Human Anatomy & Physiology I and II, AP Biology, Principles of Biomedical Science
RECOMMENDED COURSES FOR ENTIRE CLUSTER	BUSINESS & INFO TECHNOLOGY AND MARKETING: MS Excel & Access COMMUNICATION ARTS: Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech HEALTH EDUCATION: Advanced Health MATH: AP Statistics, Pre-Calculus (for any degree that requires Calculus) MUSIC EDUCATION: Any Music Class SOCIAL	

	STUDIES: Issues in Psychology, Sports Psychology, AP Psychology, Economics/AP Economics, Sociology, AP Government & Politics WORLD LANGUAGE: 4 years of any language
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Suggested Student Organizations

Waunakee High School organizations directly aligned to this specific Program of Study.

Organization	Adviser/Mentor
HOSA	Gascho
Science Club	West



Recommended Career Experiences & Work Based Learning

Waunakee High School career experiences and work based learning opportunities directly aligned to this specific Program of Study.

Career Experience and/or Work Based Learning	Information and Related Links
WHS Biotech Apprenticeship	Dane County School Consortium Program - Biotechnology
WHS Nursing Assistant Apprenticeship	Dane County School Consortium Program – Health Services
WHS Pharmacy Tech Apprenticeship	Dane County School Consortium Program – Pharmacy Tech Assistant
Nursing Assistant Certification	See Mrs. McGlynn, School to Career Coordinator
Kokopelli Kafe Teacher Assistant	See Mrs. Dedrick or your HS Counselor
Emergency Medical Technician/Responder Academy	Via Madison College & Start College Now, See Mrs. McGlynn, School to Career Coordinator

Wisconsin Technical College System Related Programs

- Administrative Professional
 - Anesthesia Technology
 - Biotechnology Lab Technician
 - Central Service Technicians
 - Chiropractic Technician
 - Clinical Laboratory Technician
 - Clinical Research Coordinator
 - Dental Assistant
- Dental Hygienist
 - Diagnostic Medical Sonography
 - Dietary Manager
 - Health Information Technology
 - Health Unit Coordinator
 - Medical Administrative Specialist
 - Medical Assistant
 - Medical Coding Specialist
- Medical Laboratory Technician
 - Medical Transcription
 - Phlebotomy
 - Radiography
 - Respiratory Therapist
 - Surgical Technologist
 - Therapeutic Massage

Wisconsin College/University System Related Programs

- Applied Health Sciences
 - Athletic Training
 - Audiology
 - Biomedical Engineer
 - Clinical Lab Science
 - Communication Science & Disorders
 - Communicative Disorders
 - Community Health Education
 - Dietetics
- Environmental Public Health
 - Exercise & Sport Science
 - Health Care Administration
 - Health Promotion
 - Health Science
 - Kinesiology
 - Medical Microbiology & Immunology
 - Medical Science
 - Medical Technology
- Nursing
 - Occupational Studies
 - Pharmacology & Toxicology
 - Physician Assistant
 - Rehab Therapy
 - School Health Education
 - Sport Management
 - Therapeutic Recreation
 - Veterinary Medicine
 - Voc Rehabilitation

WAUNAKEE HIGH SCHOOL PROGRAM OF STUDY

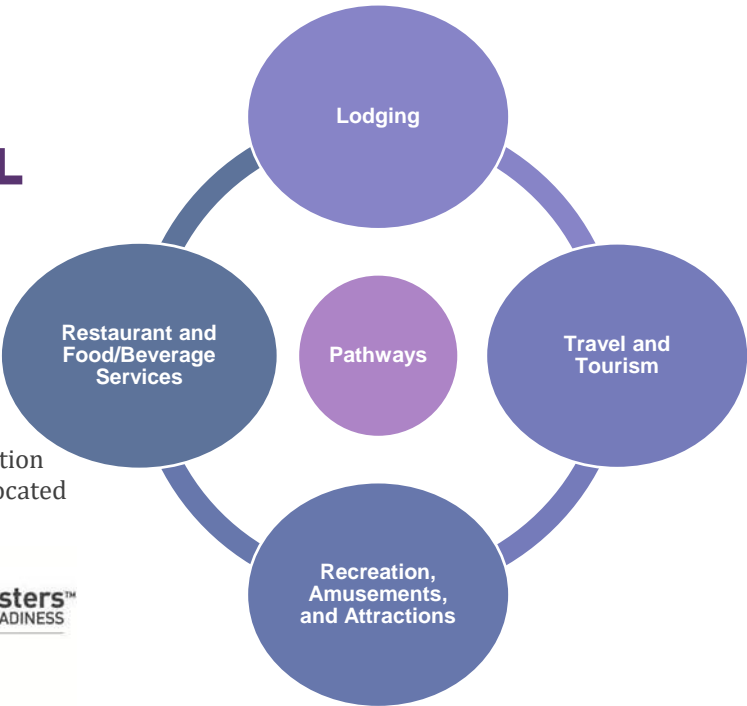
Hospitality and Tourism

The Hospitality and Tourism Cluster prepares learners for careers in the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events, and travel-related services. Hospitality operations are located in communities around the world.



CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

OVERVIEW Hospitality & Tourism



Waunakee High School has created this Career Cluster Program of Study to serve as a guide for all learners, parents, counselors, and faculty members, partnered with other career planning materials, to help learners continue on a career path. Courses listed within the plan are strongly recommended but each plan should be individualized to meet each learner’s educational and career goals.

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to **all** Programs.

Pathway	
Lodging	BUSINESS & INFO TECHNOLOGY AND MARKETING: Marketing 2, Sports & Entertainment Marketing
Recreation, Amusements, and Attractions	BUSINESS & INFO TECHNOLOGY AND MARKETING: Marketing 2, Sports & Entertainment Marketing
Restaurant and Food/Beverage Services	BUSINESS & INFO TECHNOLOGY AND MARKETING: Concepts of Entrepreneurship FAMILY & CONSUMER SCIENCES: Baking & Pastry Arts, Culinary Arts I, Culinary Arts II, Culinary Arts III, Hospitality Independent Study
Travel and Tourism	BUSINESS & INFO TECHNOLOGY AND MARKETING: Marketing 2
RECOMMENDED COURSES FOR ENTIRE CLUSTER	BUSINESS & INFO TECHNOLOGY AND MARKETING: Marketing 1, MS Excel & Access COMMUNICATION ARTS: Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech MATH: AP Statistics MUSIC EDUCATION: Any Music Class WORLD LANGUAGE: 4 years of any language SOCIAL STUDIES: Issues in Psychology, AP Psychology, Economics/AP Economics, Sociology, Social Problems, Modern Global Studies, AP European History, Exploring Wisconsin

Suggested Student Organizations

Waunakee High School organizations directly aligned to this specific Program of Study.

Organization	Adviser/Mentor
FCCLA	Anderson/Neitzel
ProStart	Anderson
DECA	Heck/Meinholz
FBLA	Serum/Trumbower



Recommended Career Experiences & Work Based Learning

Waunakee High School career experiences and work based learning opportunities directly aligned to this specific Program of Study.

Career Experience and/or Work Based Learning	Information and Related Links
WHS Hospitality Apprenticeship	Dane County School Consortium YA Program – Hospitality & Tourism
Kokopelli Kafe Teacher Assistant	See Mrs. Dedrick and/or HS Counselor
Job Shadowing	

Wisconsin Technical College System Related Programs

- Baking & Pastry Arts
 - Baking Production
 - Cook-Chef Apprentice
 - Culinary Arts
- Food Service Production
 - Golf Course Management
 - Hotel & Restaurant Management
 - Human Resources Management
- Meeting & Event Management
 - Recreation Management
 - Restaurant and Cook
 - Special Event Management

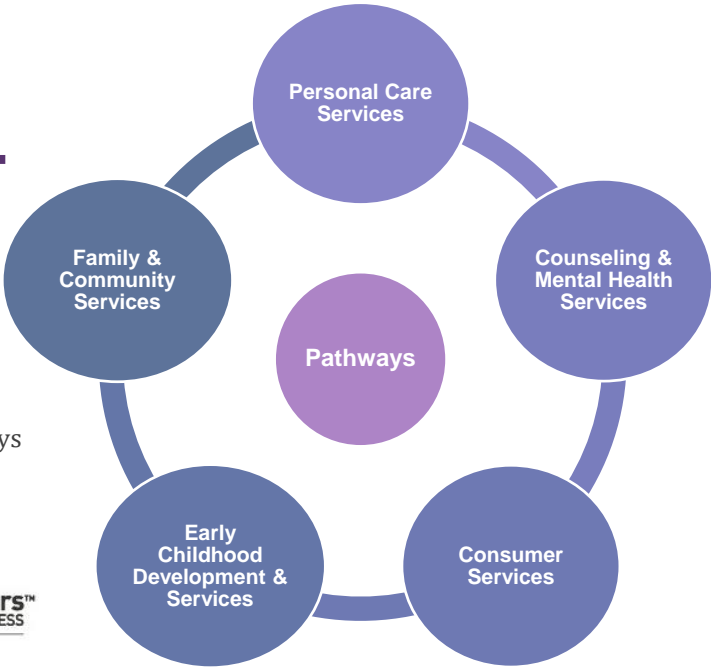
Wisconsin College/University System Related Programs

- Hotel, Restaurant, and Tourism Management

WAUNAKEE HIGH SCHOOL PROGRAM OF STUDY

Human Services

This Program of Study prepares individuals for employment in career pathways related to families and human needs. This includes preparing individuals for employment in career pathways that relate to counseling and mental health services, family and community services, personal care, and consumer services.



OVERVIEW



Waunakee High School has created this Career Cluster Program of Study to serve as a guide for all learners, parents, counselors, and faculty members, partnered with other career planning materials, to help learners continue on a career path. Courses listed within the plan are strongly recommended but each plan should be individualized to meet each learner’s educational and career goals.

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

Pathway	
Consumer Services	BUSINESS & INFO TECHNOLOGY AND MARKETING: Dollars & Sense, Marketing 1 FAMILY & CONSUMER SCIENCES: Personal Relationships SOCIAL STUDIES: Economics/AP Economics
Counseling & Mental Health Services	FAMILY & CONSUMER SCIENCES: Health Science Occupations, Foundations of Health Care, Personal Relationships SOCIAL STUDIES: Issues in Psychology, Sports Psychology, AP Psychology, Sociology, Social Problems
Early Childhood Development & Services	FAMILY & CONSUMER SCIENCES: Child Care I, Child Care II, Personal Relationships
Family & Community Services	FAMILY & CONSUMER SCIENCES: Child Care I, Child Care II, Personal Relationships SOCIAL STUDIES: Sociology, Social Problems
Personal Care Services	BUSINESS & INFO TECHNOLOGY AND MARKETING: Concepts of Entrepreneurship FAMILY & CONSUMER SCIENCES: Health Science Occupations, Personal Relationships
RECOMMENDED COURSES FOR ENTIRE CLUSTER	COMMUNICATION ARTS: Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech MUSIC EDUCATION: Any Music Class WORLD LANGUAGE: 4 years of any language

Suggested Student Organizations

Waunakee High School organizations directly aligned to this specific Program of Study.

Organization	Adviser/Mentor
FCCLA	Anderson/Neitzel
HOSA	Gascho
Pay it Forward	Rogers
Justice League	Johnson
Mental Wellness Club	Schaefer



Recommended Career Experiences & Work Based Learning

Waunakee High School career experiences and work based learning opportunities directly aligned to this specific Program of Study.

Career Experience and/or Work Based Learning	Information and Related Links
WHS Child Services State Certified Coop	Wisconsin Skills Standards Certificate Programs
Future Educator Internship	See Mrs. McGlynn and/or HS Counselor
Job Shadowing	
Kokopelli Kafe Teacher Assistant	See Mrs. Dedrick or your HS Counselor

Wisconsin Technical College System Related Programs

- Alcohol & Other Drug Abuse Associate
 - Barber/Cosmetologist
 - Barber/Cosmetologist Apprentice
- Banking & Financial Services
 - Child Care Services
 - Early Childhood Education
 - Esthetician
 - Gerontology
- Human Services Associate
 - Interpreter Technician
 - Language Interpreter for Health Services
 - Occupational Therapy Assistant

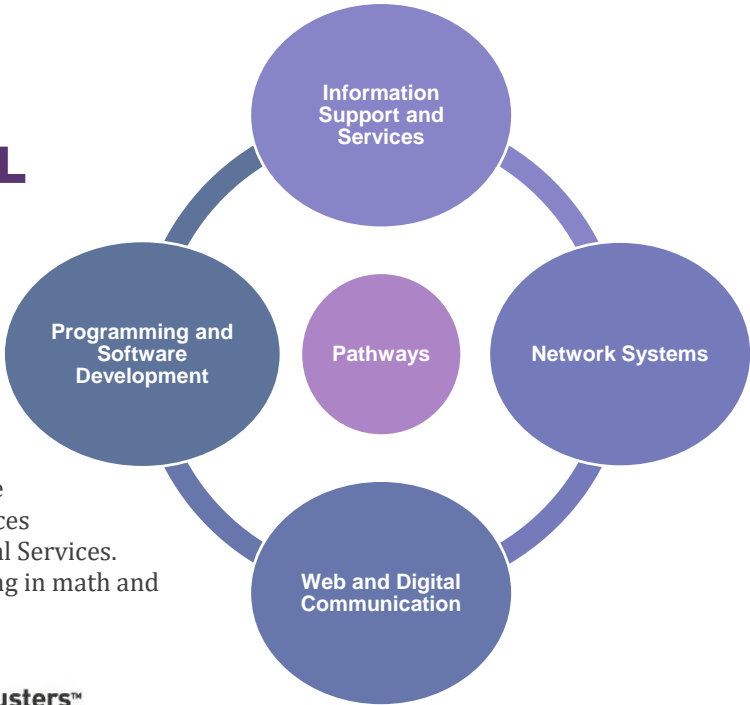
Wisconsin College/University System Related Programs

- Applied Social Science
 - Community & Nonprofit Leadership
 - Consumer Affairs
 - Family & Consumer Science
- Family & Consumer Science Education
 - Human Development
 - Human Development & Family Studies
- Human Services Leadership
 - Psychology
 - Religious Studies
 - Social Welfare
 - Social Work

WAUNAKEE HIGH SCHOOL PROGRAM OF STUDY

Information Technology

The Information Technology/Computing Program of Study involves the design, development, support, and management of hardware, software, multimedia and systems integration services. In addition to careers in the IT industry, IT careers are available in every sector of the economy – from Financial Services to Medical Services, Business to Engineering and Environmental Services. Anyone preparing for an IT career should have a solid grounding in math and science.



OVERVIEW



Waunakee High School has created this Career Cluster Program of Study to serve as a guide for all learners, parents, counselors, and faculty members, partnered with other career planning materials, to help learners continue on a career path. Courses listed within the plan are strongly recommended but each plan should be individualized to meet each learner’s educational and career goals.

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

Pathway	
Information Support and Services (Connected to Arts, AV Technology and Communication AND STEM)	BUSINESS & INFO TECHNOLOGY AND MARKETING: MS Office Basics, MS Office Advanced, MS Excel & Access, Marketing 1 and 2, Web Design, Sports & Entertainment Marketing COMPUTER SCIENCE: Computational Thinking, IT Essentials, Computer Science I
Network Systems (Connected to STEM)	COMPUTER SCIENCE: Computational Thinking, IT Essentials, Computer Science I and II, AP Computer Science A
Programming and Software Development (Connected to Manufacturing AND STEM)	BUSINESS & INFO TECHNOLOGY AND MARKETING: Web Design COMPUTER SCIENCE: Computational Thinking, IT Essentials, Computer Science I and II, AP Computer Science A, Game Design TECH ED & ENGINEERING: Digital Electronics
Web and Digital Communications (Connected to Arts, AV Technology and Communication AND Marketing, AND STEM)	ART EDUCATION: Graphic Design, Photoshop BUSINESS & INFO TECHNOLOGY AND MARKETING: Web Design, Video Editing & Digital Design COMMUNICATION ARTS: Advanced Composition COMPUTER SCIENCE: Computational Thinking, IT Essentials
RECOMMENDED COURSES FOR ENTIRE CLUSTER	COMMUNICATION ARTS: Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech MATH: Pre-Calculus MUSIC EDUCATION: Any Music Class WORLD LANGUAGE: 2 years of any language SOCIAL STUDIES: Economics/AP Economics, Issues in Psychology, AP Psychology, Sociology, AP Government & Politics

Suggested Student Organizations

Waubesa High School organizations directly aligned to this specific Program of Study.

Organization	Adviser/Mentor
SkillsUSA	France
FBLA	Serum/Trumbower
Non-Athletic Competition League	Pavao



Recommended Career Experiences & Work Based Learning

Waubesa High School career experiences and work based learning opportunities directly aligned to this specific Program of Study.

Career Experience and/or Work Based Learning	Information and Related Links
WHS IT Apprenticeship	Dane County School Consortium Program – Information Technology
Microsoft IT Certifications	See Mrs. McGlynn, School to Career Coordinator
Adobe Certifications	See Mrs. McGlynn, School to Career Coordinator
Job Shadowing	

Wisconsin Technical College System Related Programs

- Computer Service Technician
 - Computer Simulation & Gaming
 - Information Security Specialist
 - IT-Applications Developer
 - IT-Computer Support Specialist
- IT-Helpdesk Support Specialist
 - IT-Network Specialist
 - IT-Network System Administration
 - IT-Programmer/Analyst
 - IT-Technical Support Specialist
- IT-Web and Software Developer
 - Network Specialist
 - Technical Communications
 - Telecommunications Technician
 - Web Designer

Wisconsin College/University System Related Programs

- Business: Information Systems
 - Computer & Information Systems
 - Computer Engineering
 - Computer Information Systems
 - Computer Science
 - Game Design & Development
- Information & Communication Technologies
 - Information Resources
 - Information Systems
 - Information Technology Management
- Management Information Systems
 - Software Engineering
 - Web & Digital Media Development

WAUNAKEE HIGH SCHOOL PROGRAM OF STUDY

Law, Public Safety, Corrections & Security

The Law, Public Safety, Corrections, and Security Cluster helps prepare students for careers in planning, managing, and providing legal, public safety, protective services, and homeland security, including professional and technical support services.



OVERVIEW
**Law, Public Safety,
Corrections & Security**



Waunakee High School has created this Career Cluster Program of Study to serve as a guide for all learners, parents, counselors, and faculty members, partnered with other career planning materials, to help learners continue on a career path. Courses listed within the plan are strongly recommended but each plan should be individualized to meet each learner’s educational and career goals.

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

Pathway	
Correction Services	
Emergency and Fire Management Services	BUSINESS & INFO TECHNOLOGY AND MARKETING: Management & Ethics
Law Enforcement Services	BUSINESS & INFO TECHNOLOGY AND MARKETING: MS Office Basics, MS Office Advanced, MS Excel & Access
Legal Services	BUSINESS & INFO TECHNOLOGY AND MARKETING: MS Office Basics, MS Office Advanced
Security and Protective Services	
RECOMMENDED COURSES FOR ENTIRE CLUSTER	COMMUNICATION ARTS: Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech SOCIAL STUDIES: Social Problems, Sociology, AP Government & Politics, Issues in Psychology, AP Psychology, Exploring Wisconsin WORLD LANGUAGE: 4 years of any language

Suggested Student Organizations

Waunakee High School organizations directly aligned to this specific Program of Study.

Organization	Adviser/Mentor
HOSA	Gascho
Mock Trial	Barfknecht
Student Council	Hernandez/Lensert
Wisconsin Civics Games	Rogers



Recommended Career Experiences & Work Based Learning

Waunakee High School career experiences and work based learning opportunities directly aligned to this specific Program of Study.

Career Experience and/or Work Based Learning	Information and Related Links
WHS Nursing Assistant Apprenticeship	Dane County School Consortium Program – Health Services
Nursing Assistant Certification	See Mrs. McGlynn, School to Career Coordinator
Job Shadowing	
Fire Recruit Academy	Via Madison College & Start College Now, See Mrs. McGlynn, School to Career Coordinator
Emergency Medical Technician/Responder Academy	Via Madison College & Start College Now, See Mrs. McGlynn, School to Career Coordinator

Wisconsin Technical College System Related Programs

- Administrative Professional
 - Broadcast Captioning
 - Criminal Justice
 - EMT-Basic
 - EMT-Intermediate
 - EMT-Advanced
- Fire Protection Technician
 - Fire Science
 - Fire Medic
 - Forensic Science
 - Homeland Security & Asset Protection Management
- Judicial Reporting
 - Law Enforcement
 - Paralegal
 - Paramedic
 - Paramedic Technician
 - Wildland Firefighter

Wisconsin College/University System Related Programs

- Criminal Justice
 - Fire & Emergency Response Management
- Forensic Investigation
 - Law
 - Legal Studies

WAUNAKEE HIGH SCHOOL PROGRAM OF STUDY

Manufacturing

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





OVERVIEW



Waunakee High School has created this Career Cluster Program of Study to serve as a guide for all learners, parents, counselors, and faculty members, partnered with other career planning materials, to help learners continue on a career path. Courses listed within the plan are strongly recommended but each plan should be individualized to meet each learner’s educational and career goals.

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

Pathway	
Health, Safety & Environmental Assurance (Connected to Ag and Natural Resources AND Health Science AND STEM)	AGRICULTURE EDUCATION: Natural Resources II
Logistics & Inventory Control (Connected to STEM)	BUSINESS & INFO TECHNOLOGY AND MARKETING: Accounting, Advanced Accounting, Marketing 1 & 2, MS Excel & Access TECH ED & ENGINEERING: Intro to Industrial Technology
Maintenance, Installation, and Repair (Connected to STEM)	TECH ED & ENGINEERING: Basic Home & Auto Maintenance, Metal Technology, Metal Fabrication, Welding
Manufacturing Production Process Development (Connected to Business & Management AND STEM)	BUSINESS & INFO TECHNOLOGY AND MARKETING: Management & Ethics TECH ED & ENGINEERING: Intro to Industrial Technology, Woods I and II, Metal Fabrication, Metal Technology, IDEA, Big IDEA, Welding
Production (Connected to STEM)	
Quality Assurance (Connected to Marketing)	BUSINESS & INFO TECHNOLOGY AND MARKETING: Marketing 1 & 2, Sports & Entertainment Marketing, Management & Ethics
RECOMMENDED COURSES FOR ENTIRE CLUSTER	BUSINESS & INFO TECHNOLOGY AND MARKETING: Concepts of Entrepreneurship COMMUNICATION ARTS: Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech MATH: AP Statistics, Pre-Calculus (for any degree that requires Calculus SCIENCE: Principles of Engineering SOCIAL STUDIES: Economics/AP Economics, AP Government & Politics, Exploring Wisconsin, Issues in Psychology WORLD LANGUAGE: 2 years of any language

Suggested Student Organizations

Waunakee High School organizations directly aligned to this specific Program of Study.

Organization	Adviser/Mentor
SkillsUSA	France



Recommended Career Experiences & Work Based Learning

Waunakee High School career experiences and work based learning opportunities directly aligned to this specific Program of Study.

Career Experience and/or Work Based Learning	Information and Related Links
WHS Manufacturing Apprenticeship	Dane County School Consortium Program - Manufacturing
Post-Secondary Apprenticeships	Contact Mrs. McGlynn, School to Career Coordinator
Job Shadowing	
Girl’s Welding Clinic (DCSC)	Contact Mrs. McGlynn, School to Career Coordinator

Wisconsin Technical College System Related Programs

- Agriscience Technician
 - Applied Engineering Technology
 - Automated Manufacturing Systems Technician
 - Automated Packaging Systems Technician
 - Automation Systems Technology
- Bio refinery Technology
 - CNC Machine Operator
 - Electromechanical Technology
 - Industrial Electrician
 - Industrial Welding
 - Machine Tooling Technics
 - Manufacturing Management
- Marine Engineering Technology
 - Mechanical Design Technology
 - Metal Fabrication
 - Technical Communications
 - Welding
 - Wood Manufacturing Technology

Wisconsin College/University System Related Programs

- Manufacturing Engineering
- Manufacturing Systems Engineering

WAUNAKEE HIGH SCHOOL

PROGRAM OF STUDY

Marketing

This Program of Study prepares learners for careers in planning, managing, and performing marketing activities to reach organizational objectives. These include areas such as brand management, professional sales, merchandising, marketing communications, and market research.



OVERVIEW



Waunakee High School has created this Career Cluster Program of Study to serve as a guide for all learners, parents, counselors, and faculty members, partnered with other career planning materials, to help learners continue on a career path. Courses listed within the plan are strongly recommended but each plan should be individualized to meet each learner’s educational and career goals.

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

Pathway	
Marketing Communications	BUSINESS & INFO TECHNOLOGY AND MARKETING: Accounting, Advanced Accounting, Video Editing & Digital Design COMMUNICATION ARTS: Speech, Creative Writing, Advanced Composition
Marketing Management	BUSINESS & INFO TECHNOLOGY AND MARKETING: Accounting, Advanced Accounting, Management & Ethics COMMUNICATION ARTS: Speech, Advanced Composition
Marketing Research	
Merchandising	FAMILY & CONSUMER SCIENCES: Fashion & Fabrics, Interior & Housing Services
Professional Sales	COMMUNICATION ARTS: Persuasion & Debate
RECOMMENDED COURSES FOR ENTIRE CLUSTER	ART EDUCATION: Graphic Design, Photoshop BUSINESS & INFO TECHNOLOGY AND MARKETING: Marketing 1 & 2, Sports & Entertainment Marketing COMMUNICATION ARTS: Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech MATH: Intro to Statistics, AP Statistics MUSIC EDUCATION: Any Class SOCIAL STUDIES: Economics/AP Economics, Issues in Psychology, AP Psychology, Sociology, Social Problems, Modern Global Studies, Exploring Wisconsin WORLD LANGUAGE: 2-3 years of any language

Suggested Student Organizations

Waubesa High School organizations directly aligned to this specific Program of Study.

Organization	Adviser/Mentor
DECA	Heck/Meinholz
FBLA	Serum/Trumbower
Forensics	Stenz



Recommended Career Experiences & Work Based Learning

Waubesa High School career experiences and work based learning opportunities directly aligned to this specific Program of Study.

Career Experience and/or Work Based Learning	Information and Related Links
WHS Marketing Apprenticeship	Dane County School Consortium Program - Marketing
WHS Hospitality & Tourism Apprenticeship	Dane County School Consortium Program – Hospitality & Tourism
Job Shadowing	
School Based Enterprise	Marketing Students should see Ms. Meinholz about working at Warrior Corner

Wisconsin Technical College System Related Programs

- Business Management
 - Design and Graphic Technology
 - Digital Marketing
 - Fashion Marketing
 - Global Business
 - Interior Design
- Leadership Development
 - Marketing Communications
 - Marketing
 - Marketing Management
 - Marketing & Graphic Communications
- Professional Communications
 - Real Estate
 - Small Business Training
 - Technical Communications

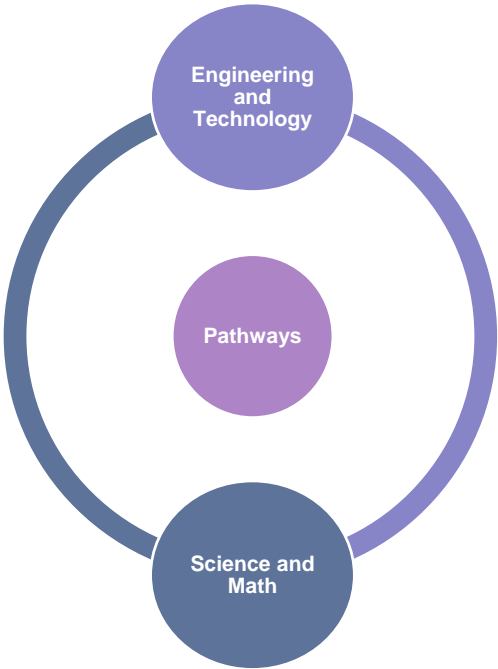
Wisconsin College/University System Related Programs

- Business Education
 - Business Marketing
- Marketing
 - Marketing Education
- Marketing Communications

WAUNAKEE HIGH SCHOOL PROGRAM OF STUDY

Science, Technology, Engineering & Math (STEM)

This Program of Study involves planning, managing, and providing scientific research and professional and technical services (such as physical science, social science, and engineering). These may include laboratory and testing services, as well as research and development.



OVERVIEW

Waunakee High School has created this Career Cluster Program of Study to serve as a guide for all learners, parents, counselors, and faculty members, partnered with other career planning materials, to help learners continue on a career path. Courses listed within the plan are strongly recommended but each plan should be individualized to meet each learner’s educational and career goals.

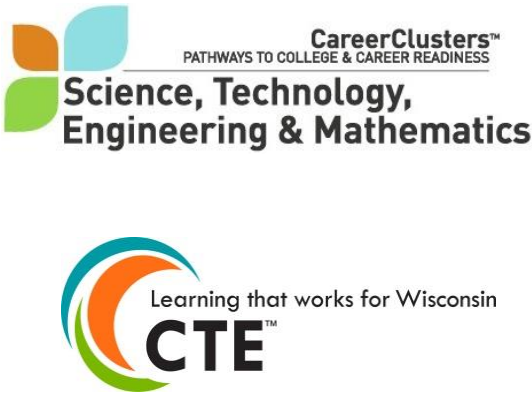
Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

Pathway	
Engineering and Technology	BUSINESS & INFO TECHNOLOGY AND MARKETING: Concepts of Entrepreneurship COMPUTER SCIENCE: Computational Thinking, IT Essentials, Computer Science I & II, AP Computer Science SCIENCE: Biotech Career Apps, Biotechnology TECH ED & ENGINEERING: Intro to Engineering Design, Digital Electronics, Principles of Engineering, Engineering Design & Development, IDEA, Big IDEA
Science and Math	SCIENCE: AP Biology, Biotech Career Apps, Biotechnology, Principles of Biomedical Science
RECOMMENDED COURSES FOR ENTIRE CLUSTER	BUSINESS & INFO TECHNOLOGY AND MARKETING: MS Excel & Access COMMUNICATION ARTS: Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech MATH: AP Statistics, Pre-Calculus MUSIC: Any Music Education Class SCIENCE: Any/All Science Classes SOCIAL STUDIES: AP Government & Politics, Modern Global Studies, Exploring Wisconsin, Economics/AP Economics WORLD LANGUAGE: 2 years of any language

Suggested Student Organizations

Waunakee High School organizations directly aligned to this specific Program of Study.



Organization	Adviser/Mentor
SkillsUSA	France
Science Club	West
Science Olympiad	
Math Team	Schroeder
Aviation Club	France

Recommended Career Experiences & Work Based Learning

Waunakee High School career experiences and work based learning opportunities directly aligned to this specific Program of Study.

Career Experience and/or Work Based Learning	Information and Related Links
WHS Biotech Apprenticeship	Dane County School Consortium Program - Biotechnology
WHS Engineering Apprenticeship	Dane County School Consortium Program - Engineering
Job Shadowing	

Wisconsin Technical College System Related Programs

- Applied Engineering Tech
 - Architectural Technology
 - Bio-Medical Electronics
 - Chemical Technician
 - Civil Engineering Technology
 - Computer Control Engineering
 - Electrical Engineering Tech
 - Electro-Mechanical Tech
 - Electron Microscopy
- Electronic & Computer Engineering Technology
 - Electronics
 - Environmental Engineering Tech
 - Energy Efficiency Tech
 - Heat Treater Apprenticeship
 - Industrial Engineering Tech
 - IT-Network Specialist
 - Manufacturing Engineering Tech
 - Marine Engineering Tech
- Mechanical Design Technology
 - Mechanical Engineering Tech
 - Nuclear Technology
 - Process Engineering Technology
 - Quality Assurance Technician
 - Technical Communications
 - Tool Design
 - Utilities Engineering Tech
 - Wind Energy Technology

Wisconsin College/University System Related Programs

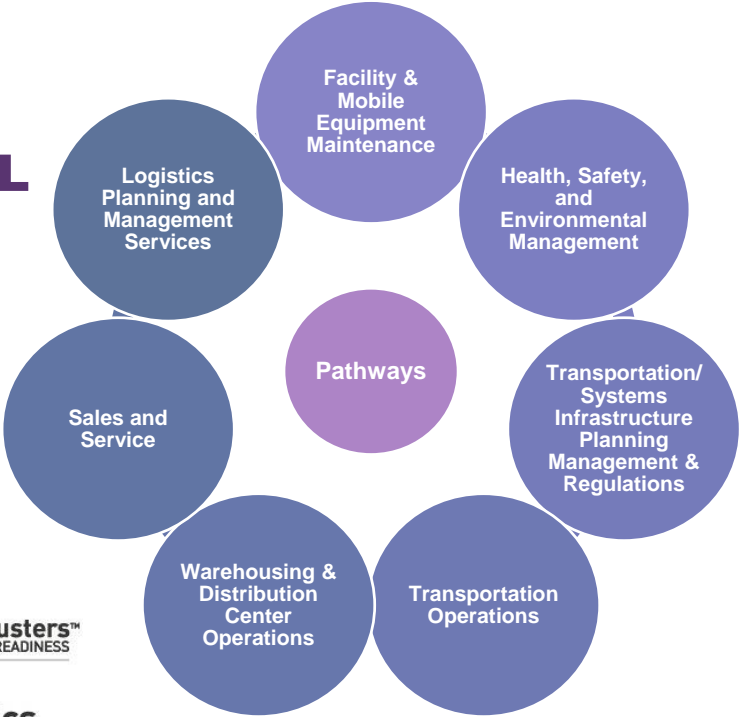
- Agriculture Studies
 - Animal Science
 - Anthropology
 - Applied Mathematics/Science
 - Astronomy
 - Biochemistry
 - Biology
 - Chemical Engineer
 - Chemistry
 - Civil Engineer
- Communicative Disorders
 - Dairy Science
 - Engineering
 - Environmental Science
 - Food Science
 - Forestry
 - Genetics
 - Health Science
 - Industrial Engineering
- Kinesiology
 - Mathematics
 - Mechanical Engineering
 - Microbiology
 - Nursing
 - Occupational Therapy
 - Physician Assistant
 - Physics
 - Psychology
- Resource Management
 - Science Education
 - Software Engineer
 - Technology Education
 - Therapeutic Recreation
 - Veterinary Medicine
 - Vocational Rehab
 - Zoology

WAUNAKEE HIGH SCHOOL

PROGRAM OF STUDY

Transportation, Distribution, and Logistics

This Program of Study exposes students to careers and businesses involved in the planning, management, and movement of people, materials, and products by road, air, rail, and water. It also includes related professional and technical support services such as infrastructure planning and management, logistic services, and the maintenance of mobile equipment and facilities.



OVERVIEW

Waunakee High School has created this Career Cluster Program of Study to serve as a guide for all learners, parents, counselors, and faculty members, partnered with other career planning materials, to help learners continue on a career path. Courses listed within the plan are strongly recommended but each plan should be individualized to meet each learner’s educational and career goals.

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to **all** Programs.

Pathway	
Facility & Mobile Equipment Maintenance	TECH ED & ENGINEERING: Basic Home & Auto Maintenance
Health, Safety, and Environmental Management	BUSINESS & INFO TECHNOLOGY AND MARKETING: Marketing 1 & 2, Management & Ethics TECH ED & ENGINEERING: Intro to Industrial Technology (Sem 2)
Logistics Planning and Management Services	BUSINESS & INFO TECHNOLOGY AND MARKETING: Marketing 1 & 2, Management & Ethics, Sports & Entertainment Marketing, Accounting TECH ED & ENGINEERING: Intro to Industrial Technology (Sem 2),
Sales and Service	BUSINESS & INFO TECHNOLOGY AND MARKETING: Accounting, Marketing 1 & 2 TECH ED & ENGINEERING: Intro to Industrial Technology (Sem 2),
Transportation Operations	TECH ED & ENGINEERING: Small Engine Technology, Auto Mechanics
Transportation/Systems Infrastructure Planning Management & Regulations	BUSINESS & INFO TECHNOLOGY AND MARKETING: Management & Ethics Intro to Industrial Technology (Sem 2),
Warehousing and Distribution Center Operations	BUSINESS & INFO TECHNOLOGY AND MARKETING: Marketing 1 & 2, Accounting TECH ED & ENGINEERING: Intro to Industrial Technology (Sem 2),
RECOMMENDED COURSES FOR ENTIRE CLUSTER	BUSINESS & INFO TECHNOLOGY AND MARKETING: MS Excel & Access COMMUNICATION ARTS: Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech SOCIAL STUDIES: Issues in Psychology, AP Psychology, Economics/AP Economics, AP Government & Politics, Sociology WORLD LANGUAGE: 2 years of any language

Suggested Student Organizations

Waunakee High School organizations directly aligned to this specific Program of Study.

Organization	Adviser/Mentor
SkillsUSA	France
Aviation Club	France
FFA	Engel/Knapp/Winkelman



Recommended Career Experiences & Work Based Learning

Waunakee High School career experiences and work based learning opportunities directly aligned to this specific Program of Study.

Career Experience and/or Work Based Learning	Information and Related Links
WHS Auto Tech Apprenticeship	Dane County School Consortium Program – Automotive Technician
Job Shadowing	
Girl’s Auto Clinic (DCSC)	Contact Mrs. McGlynn, School to Career Coordinator

Wisconsin Technical College System Related Programs

- Aeronautics-Pilot Training
 - Auto Collision Repair & Refinishing Technology
 - Automotive Technician
 - Diesel & Heavy Equipment Technician
- Diesel Equipment Mechanic
 - Marine Repair Technician
 - Motorcycle, Marine & Outdoor Power Products Technician
 - Power Plant Mechanic
 - Supply Chain Management
- Truck Driving
 - Vehicle Refinishing & Repair Technology

Wisconsin College/University System Related Programs

- Occupational Safety
- Transportation & Logistics Management